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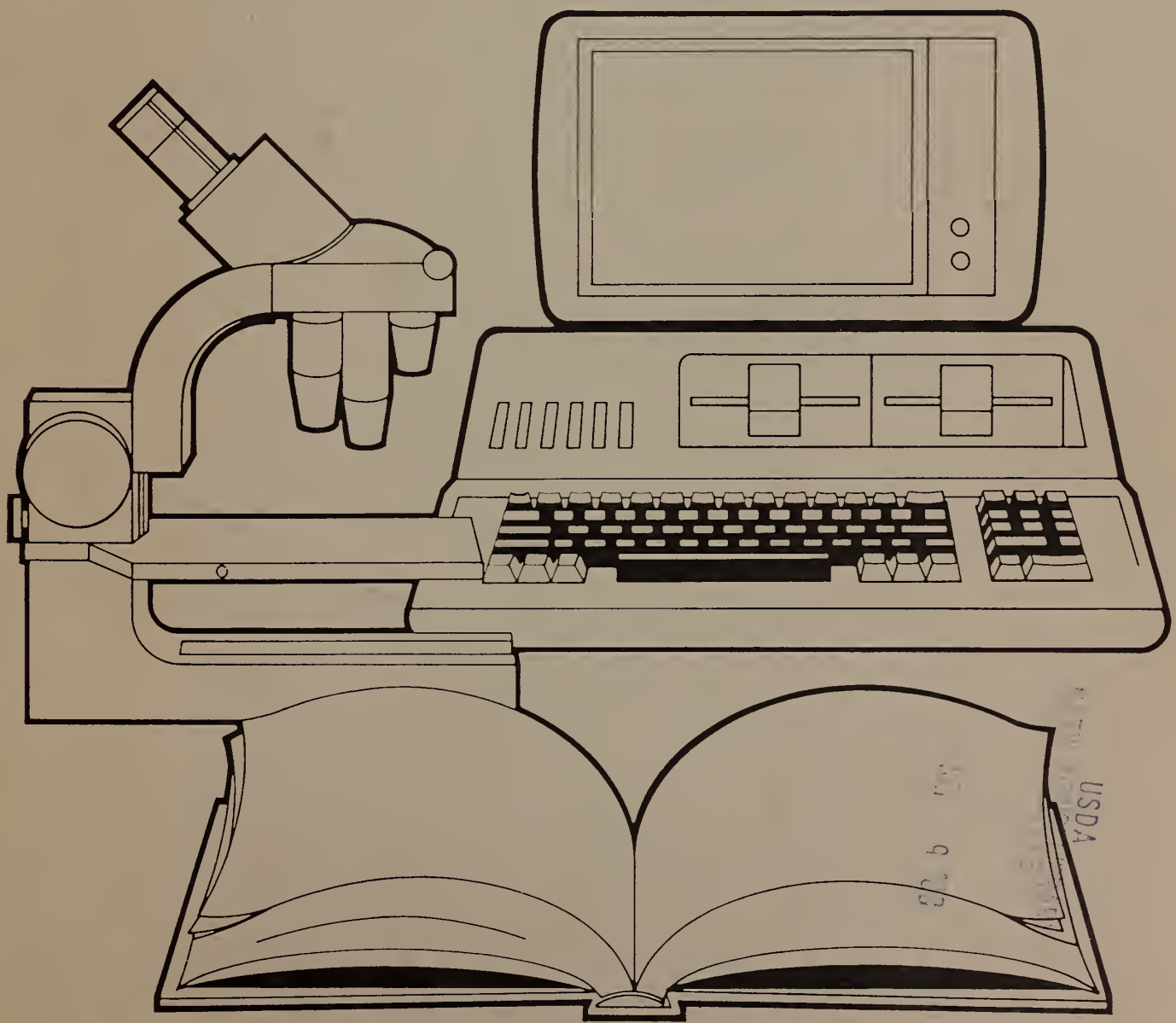
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Bibliographies
and Literature
of Agriculture
Number 65

The Protection of Sugarcane and Sugar Beets, January 1979— February 1988

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations



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Diseases and Other Environmental
Considerations**

**Compiled and Edited by Charles N. Bebee
National Agricultural Library**

FOREWORD

This is the 19th volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the U.S. Department of Agriculture, National Agricultural Library (USDA-NAL), and the U.S. Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from U.S. publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.



JOSEPH H. HOWARD, Director
National Agricultural Library



DOUGLAS D. CAMPT, Director
Office of Pesticide Programs

The citations in this bibliography are selected from workd by U.S. authors on The Protection of Sugarcane and Sugar Beets. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the database compiled by the National Agricultural Library.

This is the 18th bibliography included in a series jointly sponsored by the National Agricultural Library, U.S. Department of Agriculture (USDA-NAL), and the Science Support Branch, Benefits and Use Division, Office of Pesticide Programs, U.S. Environmental Protection Agency (EPA-OPP). Recent volumes in this series include The Protection of Hays, The Protection of Citrus, and The Protection of Turf Grasses. Bibliographies planned for the current year include, Plant Growth Regulators, The Protection of Root Vegetables, The Protection of Leafy Green Vegetables, and The Protection of Rice.

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0131

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Wu, K.K. CRPSA. Heinz, D.J.; Meyer, H.K. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 54-56. ill. Includes references. (NAL Call No.: 64.8 C883).

0132

Increased value of resistance to infection if used in integrated pest management control of tomato curly top.

PHYTAJ. Martin, M.W. Thomas, P.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1986. v. 76 (5). p. 540-542. Includes 19 references. (NAL Call No.: DNAL 464.8 P56).

0133

Infectivity titrations of *Clavibacter xyli* subsp. *xyli* and sugarcane cultivars differing in susceptibility to ratoon stunting disease.

PLDRA. Harrison, N.A. Davis, M.J.; Dean, J.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1986. v. 70 (6). p. 556-558. Includes 15 references. (NAL Call No.: DNAL 1.9 P69P).

0134

Interpretation of mechanism for nematode resistance in sugarbeet (*Heterodera schachtii*).

Yu, M.H. JASBA. Fort Collins : The Society. Journal of the American Society of Sugar Beet Technologists. Oct 1982. v. 21 (4). p. 351-361. ill. Includes references. (NAL Call No.: 66.9 AM35J).

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0135

Manipulation of photoperiod for flower control and crossing of (sugarcane) *Saccharum officinarum* L.

Dunckelman, P.H. Reserve, La. Proceedings. New Series American Society of Sugar Cane Technologists. 1976 (pub. May 1977). v. 6. p. 14-17. ill. 14 ref. (NAL Call No.: 65.9 L932).

0136

Mutagenic effect of herbicides in treatment of sugar beet seeds.

Kornienko, A.V. Shelepina, G.A.; Romanchenko, A.I. New York, N.Y. : Allerton Press. Soviet agricultural sciences. Translated from: Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk, Doklady, (11), 1986, p. 13-15. (20 AK1). 1986. (11). p. 22-24. ill. Includes references. (NAL Call No.: DNAL S1.S68).

0137

Parameters controlling sucrose content and yield of sugarbeet roots (Genetic aspects).

Wyse, R. Fort Collins, Colo., The Society. Journal American Society of Sugar Beet Technologists. Oct 1979. v. 20 (4). p. 368-385. ill. 13 ref. (NAL Call No.: 66.9 AM35J).

0138

Quality components in fodder beets.

JASBA. Martin, S.S. Smith, G.A. Fort Collins, Colo. : The Society. Journal of the American Society of Sugar Beet Technologists. Apr/Oct 1985. v. 23 (1/2). p. 39-46. Includes references. (NAL Call No.: DNAL 66.9 AM35J).

0139

Reaction of sugarcane cultivars to inoculations with smut *Ustilago scitaminea* Syd. in south Texas (*Saccharum officinarum*, *Ustilago scitaminea*, resistance).

Villalon, B. College Station : The Station. PR - Texas Agricultural Experiment Station. Aug 1983. Aug 1983. (4138). 6 p. Includes references. (NAL Call No.: 100 T31P).

0140

Reactions of sugarbeet to powdery mildew: genetic variation, association among testing procedures, and resistance breeding (*Erysiphe polygoni* on *Beta vulgaris*).

Whitney, E.D. PHYTA. Lewellen, R.T.; Skoyen, I.O. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 182-185. 10 ref. (NAL Call No.: 464.8 P56).

0141

Registration of 'CP 71-1038' sugarcane.

CRPSAY. Kresovich, S. Brown, H.E.; Miller, J.E. Madison, Wis. : Crop Science Society of America. Crop science. Nov/Dec 1985. v. 25 (6). p. 1129. (NAL Call No.: DNAL 64.8 C883).

0142

Registration of C35/1 and C35/2 sugarbeet germplasms (*Erwinia carotovora betavascularum*, breeding for disease resistance).

Whitney, E.D. Lewellen, R.T. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 830. Includes references. (NAL Call No.: 64.8 C883).

0143

Registration of C37 sugarbeet parental line.

CRPSAY. Lewellen, R.T. Whitney, E.D.; Skoyen, I.O. Madison, Wis. : Crop Science Society of America. Crop science. Mar/Apr 1985. v. 25 (2). p. 375. Includes 3 references. (NAL Call No.: DNAL 64.8 C883).

0144

Registration of C40 sugarbeet germplasm (*Erwinia carotovora betavascularum*, breeding for disease resistance).

Whitney, E.D. Lewellen, R.T. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 830. Includes references. (NAL Call No.: 64.8 C883).

0145

Registration of C46 sugarbeet parental line.

CRPSAY. Lewellen, R.T. Skoyen, I.O.; Whitney, E.D. Madison, Wis. : Crop Science Society of America. Crop science. Mar/Apr 1985. v. 25 (2). p. 376. Includes 3 references. (NAL Call No.: DNAL 64.8 C883).

0146

Registration of four sugarbeet germplasm lines (Resistant to *Cercospora beticola* and to curly top virus).

Smith, G.A. Ruppel, E.G. Madison, Crop Science Society of America. Crop science. Jan/Feb 1979. v. 19 (1). p. 131-132. (NAL Call No.: 64.8 C883).

0147

Registration of H73-6110 sugarcane (New cultivars, breeding for disease resistance).
Heinz, D.J. Tew, T.L.; Meyer, H.K.; Wu, K.K.
Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 825. Includes references. (NAL Call No.: 64.8 C883).

0148

Registration of rhizoctonia root rot resistant sugarbeet germplasm FC 707(4x).
CRPSAY. Hecker, R.J. Ruppel, E.G. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1987. v. 27 (4). p. 822. Includes references. (NAL Call No.: DNAL 64.8 C883).

0149

Registration of Rhizoctonia root rot resistant sugarbeet germplasms FC 701/6, FC 702/7, and FC 705/1.
CRPSAY. Hecker, R.J. Ruppel, E.G. Madison, Wis. : Crop Science Society of America. Crop science. Mar/Apr 1985. v. 25 (2). p. 374-375. Includes references. (NAL Call No.: DNAL 64.8 C883).

0150

Registration of six sugarbeet germplasm lines (Resistant to *Cercospora beticola*).
Smith, G.A. Gaskill, J.O. Madison, Crop Science Society of America. Crop science. Jan/Feb 1979. v. 19 (1). p. 131. (NAL Call No.: 64.8 C883).

0151

Registration of storage rot resistant sugarbeet germplasms F1004, F1005, and F1006.
CRPSAY. Campbell, L.G. Bugbee, W.M. Madison, Wis. : Crop Science Society of America. Crop science. May/June 1985. v. 25 (3). p. 577. Includes 2 references. (NAL Call No.: DNAL 64.8 C883).

0152

Registration of sugarbeet germplasm for curly top resistance.
Theurer, J.C. Mumford, D.L. Madison, Wis., Crop Science Society of America. Crop science. May/June 1982. v. 22 (3). p. 698-699. (NAL Call No.: 64.8 C883).

0153

Registration of tetraploid *Cercospora* resistant sugarbeet germplasms.
CRPSAY. Smith, G.A. Ruppel, E.G. Madison, Wis. : Crop Science Society of America. Crop science. Mar/Apr 1986. v. 26 (2). p. 392. Includes references. (NAL Call No.: DNAL 64.8 C883).

0154

Registration of 11 sugarbeet germplasm lines with resistance to virus yellows.
Lewellen, R.T. Skoyen, I.O.; Whitney, E.D.; McFarlane, J.S. Madison, Wis., Crop Science Society of America. Crop science. July/Aug 1982. v. 22 (4). p. 900-901. (NAL Call No.: 64.8 C883).

0155

Registration Rhizoctonia root root resistant sugarbeet germplasm FC 712.
CRPSAY. Hecker, R.J. Ruppel, E.G. Madison, Wis. : Crop Science Society of America. Crop science. Jan/Feb 1986. v. 26 (1). p. 213-214. (NAL Call No.: DNAL 64.8 C883).

0156

Relationships between taproot and crown characteristics and yield and quality traits in sugarbeets.
AGJDAT. Campbell, L.G. Cole, D.F. Madison, Wis. : American Society of Agronomy. Agronomy journal. Nov/Dec 1986. v. 78 (6). p. 971-973. Includes references. (NAL Call No.: DNAL 4 AM34P).

0157

Resistance of trisomic and diploid hybrids of *Beta vulgaris* and *Beta procumbens* to the sugarbeet nematode, *Heterodera schachtii*.
Steele, A.E. Savitsky, H. Ames, Iowa, Society of Nematologists. Journal of nematology. July 1981. v. 13 (3). p. 352-357. 29 ref. (NAL Call No.: QL391.N4J62).

0158

Resistance of 43 sugarcane clones to smut (*Ustilago scitaminea* Sydow).
JAUPA. Echavez-Badel, R. Rodriguez, J.L. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Oct 1986. v. 70 (4). p. 287-292. Includes references. (NAL Call No.: DNAL 8 P832J).

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0159

Screening for sugarcane smut resistance in Florida--third report.

PASGA, Holder, D.G. Dean, J.L. Reserve, La. : The Society. Proceedings. New series - American Society of Sugar Cane Technologists. Sept 1981. v. 9. p. 37-39. Includes 5 references. (NAL Call No.: DNAL 65.9 L932).

0160

Sporophytic screening and gametophytic verification of phytotoxin tolerance in sugarbeet (*Beta vulgaris* L.).

Smith, G.A. New York : Springer-Verlag, c1986. Biotechnology and ecology of pollen : proceedings, International Conference on Biotechnology and Ecology of Pollen, 9-11 July 1985, Univ. of Massachusetts, Amherst, MA / ed. by D.L. Mulcahy, G.B. Mulcahy and E. Ottaviano. p. 83-88. Includes references. (NAL Call No.: DNAL QK658.B575).

0161

Sugar beets homozygous for nematode (*Heterodera schachtii*) resistance and transmission of resistance to their progenies.

Yu, M.H. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1981. v. 21 (5). p. 714-717. ill. 10 ref. (NAL Call No.: 64.8 C883).

0162

Sugar cane breeding line evaluations: 1983-1984 (Performance, juice yield, resistance to smut, *Ustilago scitaminea*).

Kresovich, S. Moreno, E.; Brown, H.E.; Molina, J.J. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. May 1984. May 1984. (4201). 17 p. Includes references. (NAL Call No.: 100 T31P).

0163

Sugarbeet germplasm resistant to sugarbeet nematode (*Beta vulgaris*).

Yu, M.H. CRPSAY, Madison : Crop Science Society of America. Crop science. Sept/Oct 1983. v. 23 (5). p. 1021-1022. Includes references. (NAL Call No.: 64.8 C883).

0164

Sugarbeet research: breeding, quality, (fungal) diseases, and weed control (Breeding for disease resistance).

Hecker, R.J. Smith, G.A. Ft. Collins. Progress report Colorado. Experiment Station. June 1977. June 1977. (28). 2 p. (NAL Call No.: 100 C71C).

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Whittle, A.M. Rome, World Reporting Service on Plant Diseases and Pests, Food and Agriculture Organization of the United Nations. Plant protection bulletin. 1981. v. 29 (1/2). p. 4-8. Includes 2 ref. (NAL Call No.: 421 P692).

0166

Transmission of nematode resistance in the pedigree of homozygous resistant sugarbeet (*Beta vulgaris*, *Heterodera schachtii*, breeding).

Yu, M.H. Madison : Crop Science Society of America. Crop science. Jan/Feb 1984. v. 24 (1). p. 88-91. Includes references. (NAL Call No.: 64.8 C883).

0167

Use of a set of differential sorghum inbred lines to compare isolates of sugarcane mosaic virus from Sorghum and maize in nine countries.

PLDRA, Persley, D.M. Henzell, R.G.; Greber, R.S.; Teakle, D.S.; Toler, R.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1985. v. 69 (12). p. 1046-1049. Includes 26 references. (NAL Call No.: DNAL 1.9 P69P).

0168

Varietal reaction and inheritance trends of susceptibility of sugarcane to rust (*Puccinia melanocephala* H. & P. Syd).

Chu, T.L. Serapion, J.L.; Rodriguez, J.L. Rio Piedras, University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Apr 1982. v. 66 (2). p. 99-108. ill. 8 ref. (NAL Call No.: 8 P832J).

0169

Yield effects of ratoon stunting and sugarcane mosaic diseases on some sugarcane varieties in Louisiana.

Koike, H. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. July 1982. v. 1. p. 47-51. Includes references. (NAL Call No.: DNAL TP375.A54).

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0170

Effect of freezing temperatures on different varieties of sugarcane and the millability of damaged sugarcane in Louisiana /by John I. Lauritzen ... et al. .
Lauritzen, John I. 1884-. Washington : U.S. Dept. of Agriculture, 1949. Caption title. 35 p. : ill. ; 23 cm. Literature cited: p. 34-35. (NAL Call No.: DNAL 1 Ag84Te no.991).

0171

Genotype X environment interactions for cane and sugar yield and their implications in sugarcane breeding (Saccharum spp.).
Kang, M.S. Miller, J.D. Madison, Wis. : Crop Science Society of America. Crop science. May/June 1984. v. 24 (3). p. 435-440. Includes references. (NAL Call No.: 64.8 C883).

0172

Relationships between taproot and crown characteristics and yield and quality traits in sugarbeets.
AGJDAT. Campbell, L.G. Cole, D.F. Madison, Wis. : American Society of Agronomy. Agronomy journal. Nov/Dec 1986. v. 78 (6). p. 971-973. Includes references. (NAL Call No.: DNAL 4 AM34P).

0173

Windrowing and storing of sugarcane in Louisiana following injury by freezing temperatures /by J.I. Lauritzen, Charles A. Fort, and R.T. Balch.
Lauritzen, John I. 1884-. Fort, Charles A. 1892-; Balch, R. T. 1895-. Washington : U.S. Dept. of Agriculture, 1940. Caption title. 44 p. : ill. ; 23 cm. Literature cited: p. 43-44. (NAL Call No.: DNAL 1 Ag84Te no.736).

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Voth, R.D. Reisen, J. East Lansing. Research report Michigan. Agricultural Experiment Station. Mar 1979. Mar 1979. (376). 4 p. ill. 14 ref. (NAL Call No.: 284.9 M58).

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A model to estimate harvest losses due to taproot breakage in sugarbeet.

AGUOAT. Cole, D.F. Madison, Wis. : American Society of Agronomy. Agronomy journal. Sept/Oct 1986. v. 78 (5). p. 930-932. ill. Includes references. (NAL Call No.: DNAL 4 AM34P).

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Scanning electron microscope examination of sugarbeet flowers and fruits infected with *Phoma betae*.

El-Nashaar, H. Bugbee, W.M. Fort Collins, Colo., The Society. Journal of the American Society of Sugar Beet Technologists. Apr 1981. v. 21 (1). p. 11-22. ill. 21 ref. (NAL Call No.: 66.9 AM35J).

0177

Surfactant effects on cell permeability of *Beta vulgaris* L. root tissue / by Robert Michael Millaway. -.

Millaway, Robert Michael, 1942-. 1969. Thesis (Ph.D.)--Iowa State University, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. ii, 72 leaves ; 21 cm. Bibliography: leaves 66-71. (NAL Call No.: DISS 70-13,613).

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An aerated steam system for controlling ratoon stunting disease (affecting sugarcane, thermotherapy, effects on germination).
Mayeaux, M.M. Cochran, B.J. St. Joseph, Mich. Transactions of the ASAE American Society of Agricultural Engineers. May/June 1979. v. 22 (3). p. 653-656. ill. 11 ref. (NAL Call No.: 290.9 AM32T).

0179

Boron nutrition of carrots and table beets grown in a boron deficient soil.
CSOSA2. Gupta, U.C. Cutcliffe, J.A. New York, N.Y. : Marcel Dekker. Communications in soil science and plant analysis. 1985. v. 16 (5). p. 509-516. Includes 14 references. (NAL Call No.: DNAL S590.C63).

0180

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JOSHB. Halbrooks, M.C. Peterson, L.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1986. v. 111 (5). p. 751-757. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0181

By-product gypsum improves sugarcane stubble crop yield (Fertilizers, residual benefits, Louisiana).
Golden, L.E. Atlanta, Potash & Phosphate Institute. Better crops with plant food. Summer 1982. v. 66. p. 18-19. (NAL Call No.: 6 B46).

0182

Effect of fertilizer reaction and placement on availability of manganese (Deficiencies, sugarbeets, soybeans, navy beans).
Voth, R.D. Christenson, D.R. Madison, Wis., American Society of Agronomy. Agronomy journal. Sept/Oct 1980. v. 72 (5). p. 769-773. 13 ref. (NAL Call No.: 4 AM34P).

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The effect of N,N-bis (phosphonomethyl) glycine on some physiological components of sugarcane yield (Chemical ripeners).
Dill, G. Martin, F.A. Reserve, La. Proceedings. New Series American Society of Sugar Cane Technologists. 1977 (pub. June 1978). v. 7. p. 37-42. ill. 8 ref. (NAL Call No.: 65.9 L932).

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CSOSA2. Mortvedt, J.J. New York, N.Y. : Marcel Dekker. Communications in soil science and plant analysis. Jan 1986. v. 17 (1). p. 75-84. Includes 11 references. (NAL Call No.: DNAL S590.C63).

0185

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Egmond, F. van. New York, Dekker. Communications in soil science and plant analysis. 1979. v. 10 (1/2). p. 311-323. ill. 22 ref. (NAL Call No.: S590.C63).

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Manipulation of photoperiod for flower control and crossing of (sugarcane) Saccharum officinarum L.
Dunckelman, P.H. Reserve, La. Proceedings. New Series American Society of Sugar Cane Technologists. 1976 (pub. May 1977). v. 6. p. 14-17. ill. 14 ref. (NAL Call No.: 65.9 L932).

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Recovery from inhibition of photosynthesis by metamiltron (herbicide) in various plant species (Includes beets, maize, beans).
Oorschot, J.L.P. van. Leeuwen, P.H. van. Oxford. Weed research. Feb 1979. v. 19 (1). p. 63-67. ill. 11 ref. (NAL Call No.: 79.8 W412).

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Relationship of rust severity and plant nutrients in sugarcane.
PHYTAJ. Anderson, D.L. Dean, J.L. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1986. v. 76 (6). p. 581-585. Includes 33 references. (NAL Call No.: DNAL 464.8 P56).

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Response of sugarbeet (Beta vulgaris) and annual weeds to mefluidide (Includes uptake and translocation).
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0190

Role of Azotobacter in sugarcane culture and the effect of pesticides on its population in soil (Nitrogen fixing bacteria).

Singh, K. Sinha, A.P.; Agnihotri, V.P. Boca Raton, Fla. : CRC Press, c1981. Associative N₂-fixation / editors, Peter B. Vose, Alaiides P. Ruschel. p. 103-108. 32 ref. (NAL Call No.: TP245.N8I52 1979A V. 2).

0191

The utilization of residual nutrients in fallow vegetable fields for the production of root phytomass in west central Florida.

Csizinszky, A.A. S.l. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1985. v. 44. p.122-126. Includes references. (NAL Call No.: DNAL 56.9 S032).

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Wyoming sugarbeet research; 1977 progress report (Yields varieties, tillage, herbicides, germination, irrigation).

Alley, H.P. Fornstrom, K.U. Laramie. Research journal Wyoming. Agricultural Experiment Station. Jan 1978. Jan 1978. (120). 103 p. ill. ill. (NAL Call No.: S131.E22).

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alpha-galactoside binding proteins from plant membranes: isolation, characterization, and relation to helminthosporoside (toxic galactoside) binding proteins of sugarcane.
Kenfield, D.S. Strobel, G.A. Rockville, Md., American Society of Plant Physiologists. Plant physiology. June 1981. v. 67 (6). p. 1174-1180. ill. 36 ref. (NAL Call No.: 450 P692).

0194

Application of 14C-labeled herbicides in lysimeter studies.
WEESA6. Fuhr, F. Champaign, Ill. : Weed Science Society of America. Weed science. Presented at the "Symposium on Assessment of Methodology for Field Evaluation of Herbicide Behavior in Soils," Weed Science Society of America, February 9, 1984, Miami, Florida. 1985. v. 33 (suppl.2). p. 11-17. ill. Includes 39 references. (NAL Call No.: DNAL 79.8 W41).

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Biotechnological approaches for controlled cell wall glucan biosynthesis in fruits and vegetables.
FOTEA. Wasserman, B.P. Eiberger, L.L.; McCarthy, K.J. Chicago, Ill. : Institute of Food Technologists. Abstract: A literature review examines the occurrence and regulation of glucan biosynthesis in higher plants, with particular emphasis on beta-glucan synthase found in edible vegetable tissue. This enzyme is membrane-bound, and is believed to be involved in the biosynthesis of cellulose and/or mixed-linkage glucans. Various aspects of glucan biosynthesis in non-edible tissue are discussed, and the occurrence of fruit and vegetable glucan synthases and the properties and isolation of red beet glucan synthase are described. A discussion of the prospects for genetic engineering of plant enzymes also is included.(wz). Food technology. Literature review. May 1986. v. 40 (5). p. 90-93, 96-98. ill., charts. Includes 110 references. (NAL Call No.: DNAL 389.8 F7398).

0196

Carbon partitioning and herbicide transport in glyphosate-treated sugarbeet (Beta vulgaris) (Sink activity, starch accumulation).
Gougler, J.A. Geiger, D.R. Champaign, Ill. : Weed Science Society of America. Weed science. July 1984. v. 32 (4). p. 546-551. ill. Includes 11 references. (NAL Call No.: 79.8 W41).

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Chemical composition of sugarcane juice as affected by fertilizers /by Nelson McKaig, Jr. and Lewis A. Hurst.
McKaig, Nelson, 1900-. Hurst, Lewis A., 1874-. Washington : U.S. Dept. of Agriculture, 1941. Cover title. 64 p. : ill. ; 23 cm. Literature cited: p. 61-64. (NAL Call No.: DNAL 1 Ag84Te no.754).

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Development of improved sugar cane varieties through genetic engineering techniques.
Crocomo, O.J. Ochoa-Alejo, N.; Goncalves, C.H.R.P.; Bacchi, O.S. Columbus : Ohio State University Press, 1986. Biotechnology of plants and microorganisms / edited by O.J. Crocomo ... et al. . p. 152-166. ill. Includes references. (NAL Call No.: DNAL TP248.6.B557).

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Development of sugarbeet germplasms with low storage respiration rates.
NDFRA. Campbell, L.G. Fargo, N.D. : The Station. North Dakota farm research - North Dakota, Agricultural Experiment Station. July/Aug 1987. v. 45 (1). p. 25-26. ill. Includes references. (NAL Call No.: DNAL 100 N813B).

0200

Distribution of residues and metabolism of herbicide buthidazole in sugarcane from root and foliar treatments.
Nomura, N.S. Hilton, H.W. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1982. v. 30 (2). p. 232-238. ill. Includes 14 ref. (NAL Call No.: 381 J8223).

0201

Effect of some chemicals on sugar storage in corn (Zea mays, L.), sorghum (Sorghum bicolor (L.) Moench) and sugarcane (Saccharum officinarum, L.) / by Eybar Jesus Rojas-Gomez.
-. Rojas-Gomez, Eybar Jesus, 1936-. 1971. Thesis (Ph.D.)--Iowa State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. ii, 120 leaves ; 21 cm. Bibliography: leaves 96-104. (NAL Call No.: DISS 72-5,252).

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Efficiency of chemical ripener action in sugarcane. VI. Growth-regulatory action of Polaris among clones of divergent *Saccharum* species.

Alexander, A.G. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. Dec 1985. v. 5. p. 60-63. Includes references. (NAL Call No.: DNAL TP375.A54).

0203

Evidence for a beta-aspartyl phosphate residue in the phosphorylated intermediate of the red beet plasma membrane ATPase (*Beta vulgaris*).

Briskin, D.P. PLPHA. Poole, R.J. Rockville : American Society of Plant Physiologists. Plant physiology. Aug 1983. v. 72 (4). p. 1133-1135. Includes references. (NAL Call No.: 450 P692).

0204

Fluorometric detection of photosystem II herbicide penetration and detoxification in whole leaves (*Sugarbeets*, soybean, cotton, spinach).

Voss, M. Rneger, G.; Kotter, C.; Graber, P. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1984. v. 32 (5). p. 675-680. ill. Includes 23 references. (NAL Call No.: 79.8 W41).

0205

Improvement of sugarcane fertility by modification of cross-pollination environment.

Berding, N. Skinner, J.C. Madison, Wis., Crop Science Society of America. Crop science. July/Aug 1980. v. 20 (4). p. 463-467. ill. 22 ref. (NAL Call No.: 64.8 C883).

0206

Influence of extreme K:Na (potassium:sodium) ratios and high substrate salinity on plant metabolism of crops differing in salt tolerance. I. K/Na effects on growth, mineral uptake and distribution of extreme salt tolerant crop species (*Bushbeans*, *sugarbeets*).

Rathert, G. Doering, H.W.; Witt, J. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (6). p. 967-986. ill. 65 ref. (NAL Call No.: QK867.J67).

0207

Interaction of *Kochia* (*Kochia scoparia*) and *Rhizopus* sp. on sugarbeet (*Beta vulgaris*) germination.

WEESA6. Wiley, R.B. Schweizer, E.E.; Ruppel, E.G. Champaign, Ill. : Weed Science Society of America. Weed science. Mar 1985. v. 33 (2). p.

275-279. ill. Includes 21 references. (NAL Call No.: DNAL 79.8 W41).

0208

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Terry, N. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Jan 1980. v. 65 (1). p. 114-120. ill. 30 ref. (NAL Call No.: 450 P692).

0209

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JEVQAA. Chang, A.C. Page, A.L.; Warneke, J.E. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. July/Sept 1987. v. 16 (3). p. 217-221. Includes references. (NAL Call No.: DNAL QH540.J6).

0210

Nucleoside diphosphate levels in taproots and fibrous roots of *Beta vulgaris* L. Implications for control of sucrose allocation between two sinks (*Sugarbeets*).

Silvius, J.E. Snyder, F.W.; Kremer, D.F. Rockville, American Society of Plant Physiologists. Plant physiology. July 1982. v. 70 (1). p. 316-317. 7 ref. (NAL Call No.: 450 P692).

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Phloem unloading in developing leaves of sugar beet. I. Evidence for pathway through the symplast.

PLPHA. Schmalstig, J.G. Geiger, D.R. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Sept 1985. v. 79 (1). p. 237-241. ill. Includes 27 references. (NAL Call No.: DNAL 450 P692).

0212

Photochemical apparatus organization in the chloroplasts of two *Beta vulgaris* genotypes.

PLPHA. Abadia, J. Glick, R.E.; Taylor, S.E.; Terry, N.; Melis, A. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Nov 1985. v. 79 (3). p. 872-878. Includes 30 references. (NAL Call No.: DNAL 450 P692).

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JASBA. Cary, J.W. Fort Collins, Colo. : The Society. Journal of the American Society of Sugar Beet Technologists. Oct 1983. v. 22 (2). p. 170-181. Includes 9 references. (NAL Call No.: DNAL 66.9 AM35J).

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Possible translational control mechanisms in the sugar beet root / by Charles Dennis Whitty.

Whitty, Charles Dennis, 1940-. 1971. Thesis (Ph.D)--Purdue University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xiii, 184 leaves : 21 cm. Bibliography: leaves 168-183. (NAL Call No.: DISS 71-20,570).

0215

Sensitivity of sugarcane cultivars to mechanical injury.

Eiland, B.R. Dean, J.L. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. Dec 1985. v. 5. p. 5-8. Includes references. (NAL Call No.: DNAL TP375.A54).

0216

Table beet responses to residual and band-applied phosphorus and potassium.

Peck, N.H. MacDonald, G.E. Madison, Wis., American Society of Agronomy. Agronomy journal. Nov/Dec 1981. v. 73 (6). p. 1037-1041. Bibliography p. 1040-1041. (NAL Call No.: 4 AM34P).

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Thrips as pollinators of beet flowers /by Harry B. Shaw.

Shaw, Harry B. Washington, D.C. : U.S. Dept. of Agriculture, 1914. Caption title.~ "July 10, 1914.". 12 p., 3 p. of plates : ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84B no.104).

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Vacuoles from sugarcane suspension culture. I. Isolation and partial characterization (Saccharum sp., enzyme assays, chemical assays).

Thom, M. Maretzki, A.; Komor, E. Rockville, American Society of Plant Physiologists. Plant physiology. June 1982. v. 69 (6). p. 1315-1319. ill. 29 ref. (NAL Call No.: 450 P692).

0219

Variation in photosynthetic pigments and plastoquinone contents in sugar beet chloroplasts with changes in leaf copper content (Beta vulgaris, micronutrient deficiency, chlorosis).

Droppa, M. Terry, N.; Horvath, G. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Mar 1984. v. 74 (3). p. 717-720. ill. Includes references. (NAL Call No.: 450 P692).

0220

Yield and biochemical response of sugarbeet to benomyl.

AGJOAT. Smith, G.A. Martin, S.S. Madison, Wis. : American Society of Agronomy. Agronomy journal. Mar/Apr 1987. v. 79 (2). p. 297-302. Includes references. (NAL Call No.: DNAL 4 AM34P).

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Laetisaria arvalis (Aphylllophorales, Corticiaceae) (a new species of soil fungi): a possible biological control agent for *Rhizoctonia solani* and *Pythium* species (Root rot of sugarbeets).

Burdsall, H.H. Jr. FS-FPL. Hoch, H.C.; Boosalis, M.G.; Setliff, E.C. Bronx, N.Y., The New York Botanical Garden. Mycologia. July/Aug 1980. v. 72 (4). p. 728-736. ill. 9 ref. (NAL Call No.: 450 M99).

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Ag facts: Sugarbeet diseases.

MUCBA. Schneider, C.L. Hart, L.P.; Clayton, J.L. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. June 1986. (1973). 3 p. Includes references. (NAL Call No.: DNAL 275.29 M58B).

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Aldicarb post-plant control of the sugarbeet cyst nematode, *Heterodera schachtii*.

Griffin, G.D. Beltsville, Md., Plant Science Research Division, Agricultural Research Service, U.S. Dept. of Agriculture. Plant disease reporter. Dec 1978. v. 62 (12). p. 1027-1030. ill. 7 ref. (NAL Call No.: 1.9 P69P).

0224

Analysis of cultivar-use options with sugarcane as influenced by threats of new pests.

AGUOAT. Glaz, B. Alvarez, J.; Miller, J.D. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1986. v. 78 (3). p. 503-506. Includes 13 references. (NAL Call No.: DNAL 4 AM34P).

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Assessment of rat damage to Florida sugarcane in 1975.

Lefebvre, L.W. Ingram, C.R. Reserve, La. Proceedings. New Series American Society of Sugar Cane Technologists. 1977 (pub. June 1978). v. 7. p. 75-80. ill. 10 ref. (NAL Call No.: 65.9 L932).

0226

Assessment of zinc phosphide-treated-bait acceptance by cotton, black, and Florida water rats and determination of acute oral toxicity of zinc phosphide to these species (*Rodents damaging sugarcane in south Florida*).

Lefebvre, L.W. Holler, N.R. Reserve, La. Proceedings. New Series American Society of Sugar Cane Technologists. 1977 (pub. June 1978). v. 7. p. 81-85. ill. 4 ref. (NAL Call No.: 65.9 L932).

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Beet cyst nematode (*Heterodera schachtii*).

London. Advisory leaflet Great Britain Ministry of Agriculture, Fisheries, and Food. May 1978. May 1978. (233). 5 p. ill. (NAL Call No.: 10 G79LA).

0228

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Schoenemann, J.A. Binning, L.K. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1979. Jan 1979. (A2347). 4 p. ill. (NAL Call No.: S544.3.W6W53).

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Characterization of molybdenum deficiency in sugarcane.

Bowen, J.E. Guildford, IPC Science and Technology Press. Tropical agriculture. July 1979. v. 56 (3). p. 225-232. ill. 9 ref. (NAL Call No.: 26 T754).

0230

Chemical control of beet cyst-nematode, *Heterodera schachtii*, in some peaty loam soils.

Whitehead, A.G. Tite, D.J. London. Annals of applied biology. May 1979. v. 92 (1). p. 73-79. ill. 7 ref. (NAL Call No.: 442.8 AN72).

0231

Chemical control of (the nematode) *Heterodera schachtii* on sugarbeet in California.

Cooke, D.A. Thomason, I.J. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1979. v. 11 (2). p. 205-206. ill. 5 ref. (NAL Call No.: QL391.N4J62).

0232

The control of the common vole (*Microtus arvalis* Pallas) with crimidin containing pellets (Damage to grassland, fodder crops and cereals, maize, sugarbeets, fruit).

Jobsen, J.A. Wijnen, R. Gent. Mededelingen Rijksfaculteit Landbouwwetenschappen. 1978. v. 43 (2,pt.1). p. 661-666. 8 ref. (NAL Call No.: 105.1 G344).

0233

CRC handbook-on diseases of sugar beet /author, A.N. Mukhopadhyay.

Mukhopadhyay, A. N. 1940-. Boca Raton, Fla. : CRC Press, c1987. 2 v. : ill. (some col.) ; 26 cm. Includes bibliographies and indexes. (NAL Call No.: DNAL SB608.S88M85).

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0234

Effect of (harvest) injury on respiration rates of sugarbeet roots.

Wyse, R.E. Peterson, C.L. Fort Collins, Colo., The Society. Journal.American Society of Sugar Beet Technologists. July 1979. v. 20 (3). p. 269-280. ill. 9 ref. (NAL Call No.: 66.9 AM35J).

0235

Effect of impact damage on sucrose loss in sugarbeets during storage.

Akeson, W.R. Stout, E.L. Fort Collins. Journal.American Society of Sugar Beet Technologists. Oct 1978. v. 20 (2). p. 167-173. ill. 11 ref. (NAL Call No.: 66.9 AM35J).

0236

The effect of soil residues of atrazine (herbicide) on sugarbeets (*Beta vulgaris* L.).

Zimdahl, R.L. Gwynn, S.M. Fort Collins, Colo., The Society. Journal.American Society of Sugar Beet Technologists. July 1979. v. 20 (3). p. 297-306. ill. 4 ref. (NAL Call No.: 66.9 AM35J).

0237

Effects of bait formulations on toxicant losses and efficacy (during application by airplane, to control rat damage in Hawaiian sugarcane).

Pank, L.F. Davis, Calif. Proceedings.Vertebrate Pest Conference. 1976. 1976. (7th). p. 196-202. ill. 6 ref. (NAL Call No.: SB950.A1V4).

0238

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Thompson, C.R. Kats, G. Berkeley, Division of Agricultural Sciences, University of California. California agriculture. Mar 1979. v. 33 (3). p. 9-10. ill. (NAL Call No.: 100 C12CAG).

0239

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Irvine, J.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Nov 1980. v. 70 (11). p. 1027. ill. (NAL Call No.: 464.8 P56).

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Influence of fumigation on the sowing qualities of vegetable (cucumber, tomato, onion and beet) seeds.

Kononkov, P.F. Mordkovich, YA.B.; Kuznetsov, I.D. New York, Allerton Press. Soviet agricultural sciences. 1979. 1979. (4). p. 16-18. 2 ref. (NAL Call No.: S1.S68).

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Integrated sugarcane crop management (Plant protection).

Orsenigo, J.R. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 556-559. (NAL Call No.: SB951.I5 1979).

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Interacting effects of soil temperature and type on reproduction and pathogenicity of *Heterodera schachtii* and *Meloidogyne hapla* on sugarbeets (Nematodes).

Santo, G.S. Bolander, W.U. Ames, Iowa, Society of Nematologists. Journal of nematology. July 1979. v. 11 (3). p. 289-291. ill. 15 ref. (NAL Call No.: QL391.N4J62).

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Dunning, R.A. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 495-498. Includes 17 ref. (NAL Call No.: SB951.I5 1979).

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Moraghan, J.T. Cole, D.F. Fort Collins. Journal.American Society of Sugar Beet Technologists. Oct 1978. v. 20 (2). p. 133-146. ill. 11 ref. (NAL Call No.: 66.9 AM35J).

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Procedures and potentialities in sugarbeet production (Crop losses from weeds, pests and diseases, economics of control by pesticides). Hull, R. London Society of Chemical Industry. Pesticide science Society of Chemical Industry. June 1978. v. 9 (3). p. 239-244. ill. 7 ref. (NAL Call No.: SB951.P47).

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A rapid method for sampling surface soil (for sugarbeet nematode, *Heterodera schachtii*, equipment). Cooke, D.A. McKinney, H.E. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1979. v. 11 (2). p. 202-204. ill. 9 ref. (NAL Call No.: QL391.N4J62).

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0253

The relationship between population density of (the nematode) *Heterodera schachtii*, soil temperature, and sugarbeet yields. Cooke, D.A. Thomason, I.J. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1979. v. 11 (2). p. 124-128. ill. 14 ref. (NAL Call No.: QL391.N4J62).

0254

Report of the Department of Plant Pathology, Louisiana Agricultural Experiment Station, Baton Rouge, La. to the Contact Committee of the American Sugarcane League for the year Prepared by S.J.P. Chilton. -. Chilton, S. J. P. Baton Rouge, La. The Station 1954-1970. Report compiled by S.J.P. Chilton, 1954-1958; report prepared by the Dept. of Plant Pathology, 1959-1970 ~"Southwestern land-grant college library microreproduction project. ~Microfilm. Wooster, Ohio : Micro Photo Division, Bell & Howell, 1979. -- 1 reel ; 35 mm. (16) issues : ill., chiefly tables. (NAL Call No.: Film 1971).

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Residues of aldicarb and its oxides in *Beta vulgaris* L. (sugarbeets) and systemic control of *Heterodera schachtii* (Nematodes). Steele, A.E. Ames, Iowa Society of Nematologists. Journal of nematology. Jan 1979. v. 11 (1). p. 42-46. ill. 9 ref. (NAL Call No.: QL391.N4J62).

0256

Response of several Florida sugarcane varieties tests during the 1979-80 harvest. Rice, E.R. Holder, D.G.; DeStefano, R.P. New Orleans. Sugar journal. Oct 1980. v. 43 (5). p. 23-25. ill. 6 ref. (NAL Call No.: 65.8 SU391).

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Response of sugarbeets (*Beta vulgaris*) and four weed species (*Solanum nigrum*, *Setaria viridis*, *Setaria glauca*, *Amaranthus retroflexus*) to dinitramine (Root aberrations, sugarbeet quality). Schweizer, E.E. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1979. v. 27 (1). p. 28-31. ill. 11 ref. (NAL Call No.: 79.8 W41).

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Response of sugarbeets (*Beta vulgaris*) to sublethal rates of 2,4-D ((2,4-dichlorophenoxy)acetic acid).
Schweizer, E.E. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1978. v. 26 (6). p. 629-631. ill. 11 ref. (NAL Call No.: 79.8 W41).

0259

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0260

Sugarbeet research: breeding, quality, (fungal) diseases, and weed control (Breeding for disease resistance).
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0261

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Wyse, R. Logan, The Station. Utah Science. Utah. Agricultural Experiment Station. June 1979. v. 40 (2). p. 42-43. ill. 8 ref. (NAL Call No.: 100 UT1F).

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Table beet and Swiss chard: Seed production in the Pacific Northwest.
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0265

Damages caused by cotton rat, *Sigmodon hispidus zanjonensis*, on sugar cane in San Pedro Sula, Honduras.

Romero, A.G. Sandoval, G.T.; Secundino, J.S.; Ramirez, V.M.A. Davis, Calif., University of California. Proceedings ... Vertebrate Pest Conference. Vertebrate Pest Conference. 1978. 1978. (8th). p. 231-236. ill. 18 ref. (NAL Call No.: SB950.A1V4).

0266

Ecology and control of rodent depredations to Florida sugarcane.

Holler, N.R. Lefebvre, L.W.; Decker, D.G. (Miami, Fla. : Inter-American Transport Equipment Co.). 1981. Proceedings, Second Inter-American Sugar Cane Seminar. Spanish text on p. 408-414. p. 183-188. ill. Includes references. (NAL Call No.: SB226.2.I5 1981).

0267

Efficacy of aerial application of a 2% zinc phosphide bait on roof rats in sugarcane.

WLSBA. Lefebvre, L.W. Holler, N.R.; Decker, D.G. Bethesda, Md. : The Society. Wildlife Society bulletin. Fall 1985. v. 13 (3). p. 324-327. Includes references. (NAL Call No.: DNAL SK357.A1W5).

0268

Factors affecting the occurrence and distribution of Florida water rats in sugarcane fields.

PASGA. Steffen, D.E. Holler, N.R.; Lefebvre, L.W.; Scanlon, P.F. Reserve, La. : The Society. Proceedings. New series - American Society of Sugar Cane Technologists. Sept 1981. v. 9. p. 27-32. Includes 5 references. (NAL Call No.: DNAL 65.9 L932).

0269

Factors associated with the adoption of mosaic control practices of sugar cane by St. James Parish farmers / by Norris Jean Grabert. -.

Grabert, Norris Jean, 1940-. 1969. Thesis (M.S.)--Louisiana State University, 1969. Extension Repository Collection ~Typescript (photocopy). v. 63 leaves : ill. ; 30 cm. Bibliography: leaves 51-52. (NAL Call No.: S544.3.L8G7).

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Rodent control in sugarcane fields (Mexico).

Abarca R, M. (Miami, Fla. : Inter-American Transport Equipment Co.). 1981. Proceedings, Second Inter-American Sugar Cane Seminar. Spanish text on p. 415-426. p. 189-200. ill. Includes references. (NAL Call No.: SB226.2.I5 1981).

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0272

Acigona loftini (Lepidoptera:Pyrilidae) in the Lower Rio Grande Valley of Texas, 1980-81 (Sugarcane pests).

Johnson, K.J.R. (Miami, Fla. : Inter-American Transport Equipment Co.), 1981. Proceedings, Second Inter-American Sugar Cane Seminar. Spanish text on p. 390-395. p. 166-171. ill. Includes references. (NAL Call No.: SB226.2.I5 1981).

0273

Apparatus and technique for the study of the egg parasites of the beet leafhopper /by Chas. F. Henderson.

Henderson, Charles Franklin, 1901-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Caption title.~ "Contribution from Bureau of Entomology and Plant Quarantine.". 19 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84C no.593).

0274

Application of different nitrogen levels to the host plant and cannibalistic behavior of beet armyworm, Spodoptera exigua (Hubner) (Lepidoptera: Noctuidae) (Sugarbeet, Beta vulgaris).

Al-Zubaidi, F.S.EVETB. Capinera, J.L. College Park : Entomological Society of America. Environmental entomology. Dec 1983. v. 12 (6). p. 1687-1689. Includes references. (NAL Call No.: QL461.E532).

0275

Azinphosmethyl and fenvalerate runoff loss from a sugarcane-insect IPM (integrated pest management) system (Guthion, Pydrin, insecticide, Saccharum officinarum, Diatraea saccharalis).

Smith, S.JEVQA. Reagan, T.E.; Flynn, J.L.; Willis, G.H. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1983. v. 12 (4). p. 534-537. Includes references. (NAL Call No.: QH540.J6).

0276

Bacterial symbionts in the sugarbeet root maggot, Tetanops myopaeformis (von Roder).

Iverson, K.L.APMBA. Bromel, M.C.; Anderson, A.W.; Freeman, T.P. Washington : American Society for Microbiology. Applied and environmental microbiology. Jan 1984. v. 47 (1). p. 22-27. ill. Includes references. (NAL Call No.: 448.3 AP5).

0277

Beat the beet leaf miner (Pegomya betae, control).

Susko, M. Emmaus, Pa., Rodale Press. Organic gardening. June 1979. v. 26 (6). p. 52-53. ill. (NAL Call No.: 57.8 OR32).

0278

Beet armyworm pheromone trap.

CAGRA. McNally, P.S. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Sept 1984. v. 38 (9). p. 19-20. ill. (NAL Call No.: DNAL 100 C12CAG).

0279

The beet leaf-beetle /by F.H. Chittenden and H.O. Marsh.

Chittenden, F. H. 1858-1929. Marsh, H. O. 1885-1918. Washington, D.C. : U.S. Dept. of Agriculture, 1920. Caption title.~ "October 25, 1920."~ "Professional paper.". 24 p., 9 p. of plates : ill., 1 map ; 24 cm. Bibliography: p. 23-24. (NAL Call No.: DNAL 1 Ag84B no.892).

0280

The beet leaf-beetle and its control /F.H. Chittenden.

Chittenden, F. H. 1858-1929. Washington, D.C. : U.S. Dept. of Agriculture, 1921. Cover title.~ "Contribution from the Bureau of Entomology.". 8 p. : ill., 1 map ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1193).

0281

The beet leafhopper / by J.R. Douglass and W.C. Cook .

Douglass, J. R. 1894-. Cook, William C. 1895-. Washington, D.C. : U.S. Dept. of Agriculture, 1954. Cover title.~ "Contains much material formerly in Farmers' bulletin 1886, The beet leafhopper.". 21 p. : ill., 1 map ; 23 cm. (NAL Call No.: DNAL 1 Ag84C no.942).

0282

The beet leafhopper /by W.C. Cook.

Cook, William C. 1895-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. ii, 21 p. : ill., map ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1886).

0283

The beet leafhopper and its control on beets grown for seed in Arizona and New Mexico /by Van E. Romney.

Romney, Van E. 1904-. Washington : U.S. Dept. of Agriculture, 1943. Caption title. 24 p. : ill., maps ; 23 cm. Literature cited: p. 24. (NAL Call No.: DNAL 1 Ag84Te no.855).

0284

Behavioral response of beet armyworm (*Spodoptera exigua*) males to female-produced sex pheromone.

Rabson, M.S. Mitchell, E.R. New York, Marcel Dekker. Journal of environmental science and health. Part A: Environmental science and engineering. 1981. v. A16 (2). p. 139-147. 13 ref. (NAL Call No.: TD172.U6).

0285

A Bibliography of the sugarcane borer, *Diatraea saccharalis* (Fabricius), 1887-1980 / by Richard M. Roe. -.

Roe, Richard M. New Orleans U.S.D.A., Agricultural Research Service 1981. Includes index. 101 p. ; 26 cm. --. (NAL Call No.: aS21.A75U65 no.20).

0288

A biological-chemical IPM (insect pest management) program for the sugarcane borer (*Diatraea saccharalis*, USA).

Hall, D.G. IV. (Miami, Fla. : Inter-American Transport Equipment Co.), 1981. Proceedings, Second Inter-American Sugar Cane Seminar. Spanish text on p. 309-315. p. 89-95. ill. Includes references. (NAL Call No.: SB226.2.I5 1981).

0289

Biology of *Anagrus giraulti* (Hymenoptera: Mymaridae), an egg parasitoid of the beet leafhopper, *Circulifer tenellus* (Homoptera: Cicadellidae).

AESAAI. Meyerdirk, D.E. Moratorio, M.S. College Park, Md. : The Society. Annals of the Entomological Society of America. Mar 1987. v. 80 (2). p. 272-277. ill. Includes references. (NAL Call No.: DNAL 420 EN82).

0290

Biology of *Phyllophaga crinita* (Burmeister) in Lower Rio Grande Valley sugarcane.

Huffman, F.R. Harding, J.A. College Station, Tex., Southwestern Entomological Society. The Southwestern entomologist. Mar 1980. v. 5 (1). p. 59-64. ill. 8 ref. (NAL Call No.: QL461.S65).

0291

Bionomics and forecasting of the sugarcane frog hopper, *Aeneolamia postica jugata* (Fowler) (Belize).

Cawich, A. (Miami, Fla. : Inter-American Transport Equipment Co.), 1981. Proceedings, Second Inter-American Sugar Cane Seminar. Spanish text on p. 221-228. p. 5-12. ill. Includes references. (NAL Call No.: SB226.2.I5 1981).

0292

Breeding areas and economic distribution of the beet leaf-hopper in New Mexico, southern Colorado, and western Texas /by V.E. Romney.

Romney, Van E. 1904-. Washington, D.C. : U.S. Dept. of Agriculture, 1939. Contribution from Bureau of Entomology and Plant Quarantine. 15 p. : ill., maps ; 23 cm. Bibliography: p. 13-14. (NAL Call No.: DNAL 1 Ag84C no.518).

0293

Breeding for resistance to the sugarbeet root maggot (*Tetanops myopaeformis*).

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Hensley, S.D. Reagan, T.E.; Flynn, J.L. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 193. (NAL Call No.: SB950.A1I49).

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Mumford, D.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1982. v. 66 (10). p. 940-941. 6 ref. (NAL Call No.: 1.9 P69P).

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0495

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0497

Weed, insect, and disease control guide: beets, carrots, lettuce, onions parsnips, radishes, rutabagas, turnips, spinach.
Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. ; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: Ext. Folder 600).

0498

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Piemeisel, R. L. 1889-. Washington, D.C. : U.S. Dept. of Agriculture, 1932. Caption title.- "Contribution from Bureau of Plant Industry.". 24 p. : ill., 1 map ; 23 cm. (NAL Call No.: DNAL 1 Ag84C no.229).

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0499

White grubs of sugarcane in South Florida (*Ligyris subtropicus*, *Bothynus subtropicus*, *Cyclocephala* spp., *Phyllophaga* spp. and *Anomala*).
Prewitt, J.C. Summers, T.E. (Miami, Fla. : Inter-American Transport Equipment Co.), 1981. Proceedings, Second Inter-American Sugar Cane Seminar. Spanish text on p. 267-268. p. 49-50. ill. Includes references. (NAL Call No.: SB226.2.I5 1981).

0500

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0501

Zebra caterpillar (*Ceramica picta*) (*Lepidoptera*: *Noctuidae*): foliage consumption and development of larvae on sugarbeet.
Capinera, J.L. Ottawa, Entomological Society of Canada. Canadian entomologist. Aug 1979. v. 111 (8). p. 905-909. ill. 14 ref. (NAL Call No.: 421 C16).

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0297 0298

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0316 0317

Diaprepes abbreviatus (pest of sugarcane and citrus) to response to light traps in field and cage tests. *Diaprepes abbreviatus* (pest of sugarcane and citrus) to response to light traps in field and cage tests.
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0502

Beating beet diseases (*Phythium ultimum*, *Rhizoctonia solani*, *Heterodera schachtii*, *Cercospora beticola*, Phoma).
Zitter, T.A. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. June 1982. v. 30 (6). p. 24. ill. (NAL Call No.: 80 C733).

0503

Breeding for resistance to the sugarbeet nematode (*Heterodera schachtii*).
McFarlane, J.S. JASBA. Savitsky, H.; Steele, A. Fort Collins : The Society. Journal of the American Society of Sugar Beet Technologists. Oct 1982. v. 21 (4). p. 311-323. Includes references. (NAL Call No.: 66.9 AM35J).

0504

Comparative relationship between *Meloidogyne chitwoodi* and *Meloidogyne hapla* population densities and growth of sugarbeet seedlings.
Griffin, G.D. Inserra, R.N.; Di Vito, M. Ames, Iowa, Society of Nematologists. Journal of nematology. July 1982. v. 14 (3). p. 409-411. 7 ref. (NAL Call No.: QL391.N4J62).

0505

A comparison of the hatching of juveniles from cysts of *Heterodera schachtii* and *Heterodera trifolii* (Nematodes, sugarbeets, California, Netherlands).
Steele, A.E. JONEB. Toxopeus, H.; Heijbroek, W. Ames : Society of Nematologists. Journal of nematology. Oct 1982. v. 14 (4). p. 588-592. ill. Includes references. (NAL Call No.: QL391.N4J62).

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Santo, G.S. Ponti, R.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 217. (NAL Call No.: 464.9 AM31R).

0507

Control of sugar-beet nematode by crop rotation /by Gerald Thorne.
Thorne, Gerald, 1890-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Originally issued Nov. 1926. 19 p. : ill., 1 map ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1514 1941).

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Thorne, Gerald. Washington, D.C. : U.S. Dept. of Agriculture, 1941. ii, 19 p. : ill., map --. Includes bibliographical references. (NAL Call No.: DNAL Fiche S-70 no.1514 1941).

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Control of the sugar beet nematode /by Gerald Thorne.
Thorne, Gerald, 1890-. Washington, D.C. : U.S. Dept. of Agriculture, 1952. "Supersedes Farmers' bulletin 1514: Control of sugar-beet nematode by crop rotation." 18 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.2054).

0510

Control of the sugar-beet nematode /Harry B. Shaw.
Shaw, Harry B. Washington, D.C. : U.S. Dept. of Agriculture, 1916. Cover title.~ "Contribution from the Bureau of Plant Industry." 19 p. : ill. ; 23 cm. Bibliography: p. 2. (NAL Call No.: DNAL 1 Ag84F no.772).

0511

Distribution of nematicides in soil and its influence on the control of sugarbeet cyst nematode *Heterodera schachtii* and root-knot nematode *Meloidogyne incognita*.
Garabedian, S. NMTPA. Hague, N. Auburn : Organization of Tropical American Nematologists. Nematropica. Dec 1982. v. 12 (2). p. 313-318. Includes references. (NAL Call No.: SB998.N4N4).

0512

Effect of phenamiphos (nematicide) on *Heterodera schachtii* and *Meloidogyne javanica* (Includes sugarbeet field trials).
Greco, N. Thomason, I.J. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1980. v. 12 (2). p. 91-96. ill. 13 ref. (NAL Call No.: QL391.N4J62).

0513

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Olthof, T.H.A. Ames, Iowa : Society of Nematologists. Journal of nematology. Oct 1983. v. 15 (4). p. 555-559. Includes references. (NAL Call No.: QL391.N4J62).

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0514

Effect of temperature and moisture on parasitization of *Heterodera schachtii* eggs (from sugarbeet fields in California) by *Acremonium strictum* and *Fusarium oxysporum* (Fungi).

Nigh, E.A. Thomason, I.J.; Van Gundy, S.D. St. Paul, Minn., American Phytopathological Society. *Phytopathology*. Sept 1980. v. 70 (9). p. 889-891. 3 ref. (NAL Call No.: 464.8 P56).

0515

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Abawi, G.S. Mai, W.F. St. Paul, Minn., American Phytopathological Society. *Phytopathology*. June 1980. v. 70 (6). p. 481-485. ill. 21 ref. (NAL Call No.: 464.8 P56).

0516

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Steele, A.E. Ames, Iowa : Society of Nematologists. *Journal of nematology*. July 1983. v. 15 (3). p. 467-473. Includes references. (NAL Call No.: QL391.N4J62).

0517

Evaluation of four nematocides for the control of phytoparasitic nematodes on sugarcane.

Valle-Lamboy, S. PR. Ayala, A. Rio Piedras, The Station. The *Journal of agriculture of the University of Puerto Rico - Puerto Rico, Agricultural Experiment Station*. July 1980. v. 64 (3). p. 348-356. ill. 25 ref. (NAL Call No.: 8 P832J).

0518

Extraction of cysts and eggs of *Heterodera schachtii* from soil with an assessment of extraction efficiency.

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0596

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0597

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0598

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0599

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0600

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0603

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0605

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0606

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0607

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0609

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0610

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0612

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0613

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0614

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0615

The effect of root dehydration on the storage performance of a sugarbeet genotype resistant to storage rot (*Phoma betae*, *Botrytis cinerea*, and *Penicillium claviforme*). Bugbee, W.M. Cole, D.F. Fort Collins, Colo., The Society. Journal. American Society of Sugar Beet Technologists. July 1979. v. 20 (3). p. 307-314. ill. 9 ref. (NAL Call No.: 66.9 AM35J).

0616

The effect of seed infected with *Phoma betae* on rot and sucrose yield of stored sugar beet. Bugbee, W.M. Cole, D.F. St. Paul, Minn., American Phytopathological Society. Phytopathology. Mar 1981. v. 71 (3). p. 357-359. ill. 13 ref. (NAL Call No.: 464.8 P56).

0617

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0618

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0620

Effect of soil deposition in crowns on development of *Rhizoctonia* root rot in sugarbeet.

Schneider, C.L. Ruppel, E.G.; Hecker, R.J.; Hogaboam, G.J. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1982. v. 65 (5). p. 408-410. ill. Includes 7 ref. (NAL Call No.: 1.9 P69P).

0621

The effect of wounding and high-pressure spray inoculation on the smut reactions of sugarcane clones (*Ustilago scitaminea*, *Saccharum*, resistance).

Dean, J.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1982. v. 72 (8). p. 1023-1025. 11 ref. (NAL Call No.: 464.8 P56).

0622

Effectiveness of fungicides as seed or soil treatments for beet root rot control under greenhouse conditions, 1985.

FNETD. Abawi, G.S. Cobb, A.C. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1986. v. 41. p. 127. (NAL Call No.: DNAL 464.9 AM31R).

0623

Effects of dew-period temperature on sporulation, germination of conidia, and systemic infection of maize by *Peronosclerospora sacchari* (the causative agent of sugarcane downy mildew).

Bonde, M.R. Melching, J.S. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1979. v. 69 (10). p. 1084-1086. ill. 10 ref. (NAL Call No.: 464.8 P56).

0624

Effects of powdery mildew infection on the efficiency of CO₂ (carbon dioxide) fixation and light utilization by sugarbeet leaves (*Erysiphe polygoni*).

Gordon, T.R. Duniway, J.M. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Jan 1982. v. 69 (1). p. 139-142. 25 ref. (NAL Call No.: 450 P692).

0625

Effects of pregermination of pea and cucumber seeds and of seed treatment with *Enterobacter cloacae* on rots caused by *Pythium* spp. (*Pisum sativum*, *Cucumis sativus*, *Beta vulgaris*, table beets, susceptibility, biological control).

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0626

Effects of toxin from *Helminthosporium sacchari* on nongreen tissues and a reexamination of toxin binding (Sugarcane).

Lesney, M.S. Livingston, R.S.; Scheffer, R.P. St. Paul, American Phytopathological Society. Phytopathology. July 1982. v. 72 (7). p. 844-849. 18 ref. (NAL Call No.: 464.8 P56).

0627

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0628

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Lynch, F.J. Geoghegan, M.J. Cambridge, Cambridge University Press. Transactions British Mycological Society. Dec 1978. v. 71 (3). p. 495-496. ill. 3 ref. (NAL Call No.: 451 B76).

0629

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Evaluation of Ridomil as seed and soil treatments for the control of beet root rot, 1984.

FNETD. Abawi, G.S. Cobb, A.C. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 170. (NAL Call No.: DNAL 464.9 AM31R).

0631

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0632

Evaluation of six fungicides for control of rust of sugarcane, 1981 (*Puccinia melanocephala* on *Saccharum*).

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0633

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JASBA. Schneider, C.L. Hogaboam, G.U. Fort Collins, Colo. : The Society. Journal of the American Society of Sugar Beet Technologists. Oct 1983. v. 22 (2). p. 101-107. Includes 4 references. (NAL Call No.: DNAL 66.9 AM35J).

0634

An evaluation of 70mm color infrared photography for sugarcane rust assessment in the Dominican Republic (*Puccinia kuehnii*).

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0635

Eyespot disease (*Helminthosporium sacchari*) of sugarcane. Induction of host-specific toxin and its interaction with leaf cells.

Larkin, P.J. Scowcroft, W.R. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Mar 1981. v. 67 (3). p. 408-414. ill. 21 ref. (NAL Call No.: 450 P692).

0636

Failure to infect sugarcane with *Sclerospora graminicola* causal of dony mildew.

JAUPA. Ramirez Oliveras, G. Velez Baez, A. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico.

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0637

Field tests of *Trichoderma harzianum* Rifai aggr. as a biocontrol agent of seedling disease in several crops and *Rhizoctonia* root rot of sugar beet (New York, Colorado).

Ruppel, E.G. Baker, R.; Harman, G.E.; Hubbard, J.P.; Hecker, R.J. Guildford, Eng. : Butterworths. Crop protection. Dec 1983. v. 2 (4). p. 399-408. Includes references. (NAL Call No.: SB599.C8).

0638

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PASGA. Tai, P.Y.P. Dean, J.L.; Miller, J.D.; Gill, B.S. Reserve, La. : The Society. Proceedings. New series - American Society of Sugar Cane Technologists. Sept 1981. v. 9. p. 40-43. Includes 8 references. (NAL Call No.: DNAL 65.9 L932).

0639

The frequency of smut resistant clones in the Canal Point sugarcane breeding program.

Dean, J.L. Tai, P.Y.P.; Miller, J.D. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. June 1983. v. 2. p. 32-34. Includes references. (NAL Call No.: DNAL TP375.A54).

0640

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Araim, M.S. Qurehi, M.A.H.; Pathan, I.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 175. (NAL Call No.: 464.9 AM31R).

0641

Fungicide treatments for powdery mildew control in sugar beets.

OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 138-143. (NAL Call No.: DNAL 100 DR3M).

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0642

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Comstock, J. Aiea : The Technologists. Reports...Annual conference - Hawaiian Sugar Technologists. 1982. 1982. (40th). p. 65-66. (NAL Call No.: 65.9 H317).

0643

Fungigation method for control of *Cercospora* leaf spot of sugarbeet, 1977 (Beets (sugar) *Beta vulgaris* 'USH20'), *Cercospora* leaf spot; *Cercospora beticola*).
Potter, H.S. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 60. (NAL Call No.: 464.9 AM31R).

0644

***Fusarium* (oxysporum) stalk blight resistance in sugarbeet (Hybrid seed for use in California and other parts of the United States).**
McFarlane, J.S. Fort Collins, Colo., The Society. Journal of the American Society of Sugar Beet Technologists. Oct 1981. v. 21 (2). p. 175-183. ill. 2 ref. (NAL Call No.: 66.9 AM35J).

0645

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Leach, L.D. MacDonald, J.D. St. Paul, Minn. : APS Press, c1986. Methods for evaluating pesticides for control of plant pathogens / edited by Kenneth D. Hickey ; prepared jointly by the American Phytopathological Society and the Society of Nematologists. p. 105-107. Includes references. (NAL Call No.: DNAL SB960.M47 1986).

0646

The growth of sugarcane downy mildew fungus (*Sclerospora sacchari*) in tissue culture.
Chen, W.H. Liu, M.C. Ottawa. Canadian journal of botany. Mar 1, 1979. v. 57 (5). p. 528-533. ill. 17 ref. (NAL Call No.: 470 C16C).

0647

Heritability of sugarcane smut resistance and correlation between smut grade and yield components (*Sugarcane*, *Ustilago scitaminea*).
Wu, K.K. CRPSA. Heinz, D.J.; Meyer, H.K. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 54-56. ill. Includes references. (NAL Call No.: 64.8 C883).

0648

Hilling sugarbeets increases root rot.
AGREA. Pierce, R. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Jan/Feb 1983. v. 31 (7/8). p. 15-16. (NAL Call No.: DNAL 1.98 AG84).

0649

A histological study of infection of host tissue by *Sclerotium rolfsii*.
PHYTAJ. Smith, V.L. Punja, Z.K.; Jenkins, S.F. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Aug 1986. v. 76 (8). p. 755-759. ill. Includes references. (NAL Call No.: DNAL 464.8 P56).

0650

Host range of a Taiwanese isolate of *Peronosclerospora sacchari* (Downy mildew, sugarcane, fungal pathogen).
Bonde, M.R. Peterson, G.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1981. v. 65 (9). p. 739-740. 11 ref. (NAL Call No.: 1.9 P69P).

0651

Incidence of sugarcane smut in Louisiana and its effect on yield.
PLDRA. Hoy, J.W. Hollier, C.A.; Fontenot, D.B.; Grelen, L.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1986. v. 70 (1). p. 59-60. Includes 7 references. (NAL Call No.: DNAL 1.9 P69P).

0652

Infection by *Polymyxa betae* and *Plasmodiophora brassicae* of roots containing root-inducing transferred DNA of *agrobacterium rhizogenes*.
PHYTAJ. Mugnier, J. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Apr 1987. v. 77 (4). p. 539-542. ill. Includes references. (NAL Call No.: DNAL 464.8 P56).

0653

Infection of sugarcane leaves by *Puccinia melanocephala* (*Saccharum*, rust).
Sotomayor, I.A. PHYTA. Purdy, L.H.; Trese, A.T. St. Paul : American Phytopathological Society. Phytopathology. May 1983. v. 73 (5). p. 695-699. ill. Includes references. (NAL Call No.: 464.8 P56).

0654

Influence of presowing seed treatments of table beets on the susceptibility to damping-off caused by Pythium.

JOSHB. Taylor, A.G. Hadar, Y.; Norton, J.M.; Khan, A.A.; Harman, G.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1985. v. 110 (4). p. 516-519. Includes 19 references. (NAL Call No.: DNAL 81 S012).

0655

Influence of smut on production in highly susceptible varieties of sugarcane.

Holder, D.G. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. June 1983. v. 2. p. 29-31. ill. Includes references. (NAL Call No.: DNAL TP375.A54).

0656

Influence of the antagonist *Laetisaria arvalis* on infection of table beets by *Phoma betae*.

Martin, S.B. Abawi, G.S.; Hoch, H.C. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1984. v. 74 (9). p. 1092-1096. ill. Includes 18 references. (NAL Call No.: 464.8 P56).

0657

Inoculum densities of *Pythium aphanidermatum* in soils of irrigated sugarbeet fields in Arizona (*Beta vulgaris*).

Stanghellini, M.E. PHYTA. Von Bretzel, P.; Kronland, W.C.; Jenkins, A.D. St. Paul : American Phytopathological Society. Phytopathology. Nov 1982. v. 72 (11). p. 1481-1485. ill. 23 ref. (NAL Call No.: 464.8 P56).

0658

Introduction of sugarcane rust into the Americas and its spread to Florida.

PLDRA. Purdy, L.H. Krupa, S.V.; Dean J.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1985. v. 69 (8). p. 689-693. maps. Includes 27 references. (NAL Call No.: DNAL 1.9 P69P).

0659

Isolation and characterization of host-selective toxin from *Helminthosporium sacchari* (Sugarcane, fungal pathogen).

Livingston, R.S. Scheffer, R.P. Baltimore, American Society of Biological Chemists. The Journal of biological chemistry. Feb 25, 1981. v. 256 (4). p. 1705-1710. ill. 10 ref. (NAL Call No.: 381 J824).

0660

***Laetisaria arvalis* (Aphylllophorales, Corticiaceae) (a new species of soil fungi): a possible biological control agent for *Rhizoctonia solani* and *Pythium* species (Root rot of sugarbeets).**

Burdsall, H.H. Jr. FS-FPL. Hoch, H.C.; Boosalis, M.G.; Setliff, E.C. Bronx, N.Y., The New York Botanical Garden. Mycologia. July/Aug 1980. v. 72 (4). p. 728-736. ill. 9 ref. (NAL Call No.: 450 M99).

0661

Land-improvement measures in relation to a possible control of the beet leafhopper and curly top /by R.L. Piemeisel and J.C. Chamberlin.

Piemeisel, R. L. 1889-. Chamberlin, J. C. 1898-. Washington, D.C. : U.S. Dept. of Agriculture, 1936. Caption title.~ Joint contribution from Bureau of Plant Industry and Bureau of Entomology and Plant Quarantine. 24 p. : ill., maps ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.416).

0662

Late season control of sugarbeet powdery mildew (*Erysiphe polygoni*).

Forster, R.L. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Mar 1979. v. 63 (3). p. 239-241. ill. 4 ref. (NAL Call No.: 1.9 P69P).

0663

Leaf-spot disease of the sugar beet /by C.O. Townsend. --.

Townsend, C. O. Washington, D.C. : U.S. Dept. of Agriculture, 1922. 20 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.618 1922).

0664

Light and scanning microscopy of sugarbeet powdery mildew (caused by *Erysiphe betae*).

Mukhopadhyay, A.N. Russell, G.E. Cambridge, Cambridge University Press. Transactions British Mycological Society. Apr 1979. v. 72 (pt.2). p. 316-319. ill. 12 ref. (NAL Call No.: 451 B76).

0665

Management of *Cercospora* leaf spot of sugarbeets: decision aids.

NDFRA. Shane, W.W. Teng, P.S.; Lamey, A.; Cattanch, A. Fargo, N.D. : The Station. North Dakota farm research - North Dakota, Agricultural Experiment Station. Nov/Dec 1985. v. 43 (3). p. 3-5. ill. Includes references.

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(NAL Call No.: DNAL 100 N813B).

0666

Method for resistance to benzimidazoles in *Cercospora beticola*--FAO method No. 28 (Fungus disease of sugarbeets).

Rome : World Reporting Service on Plant Diseases and Pests, FAO. Plant protection bulletin. 1982. v. 30 (2). p. 63-65. (NAL Call No.: 421 P692).

0667

The microscopic world of fungus (*Cercospora* leaf spot, sugarbeet).

Senft, D. SEA-SEA. Washington, D.C., The Administration. Agricultural research. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 28 (6). p. 12. (NAL Call No.: 1.98 AG84).

0668

Mycelial growth and infection without a food base by eruptively germinating sclerotia of *Sclerotium rolfsii* (Infected bean and sugarbeet plants).

Punja, Z.K. Grogan, R.G. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1981. v. 71 (10). p. 1099-1103. ill. 17 ref. (NAL Call No.: 464.8 P56).

0669

Mycoparasitism of oospores of *Pythium ultimum* by *Fusarium merismoides* (Biological control of root rots of beans and beets).

Hoch, H.C. Abawi, G.S. Bronx, The New York Botanical Garden. Mycologia. May/June 1979. v. 71 (3). p. 621-625. ill. 12 ref. (NAL Call No.: 450 M99).

0670

New form of old disease found in Ohio sugarbeets (Root and crown rot, *Rhizoctonia solani*, *Thanatephorus cucumeris*).

Herr, L.J. OH. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources. Ohio. Agricultural Research and Development Center. Mar/Apr 1980. v. 65 (2). p. 19-21. ill. (NAL Call No.: 100 OH3S (3)).

0671

Occurrence of sugarcane rust (*Puccinia erianthi*) in Puerto Rico.

Liu, L.J. Rio Piedras, The Station. The Journal of agriculture of the University of Puerto Rico. Puerto Rico. Agricultural Experiment Station. Oct 1979. v. 63 (4). p. 476-477. ill. (NAL Call No.: 8 P832J).

0672

An outbreak of sugarcane rust in Jamaica (caused by *Puccinia melanocephala*).

Burgess, R.A. Mauritius, Sugar Industry Research Institute. Sugarcane pathologists newsletter. May 1979. May 1979. (22). p. 4-5. 4 ref. (NAL Call No.: SB608.S9S8).

0673

Pathogenicity of *Fusarium tricinctum* and *Fusarium moniliforme* to sugarcane.

Koike, H. Reserve, La. Proceedings. New Series American Society of Sugar Cane Technologists. 1977 (pub. June 1978). v. 7. p. 71-74. ill. (NAL Call No.: 65.9 L932).

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0760

The use of *Pythium oligandrum* for biological control of preemergence damping-off caused by *Pythium ultimum*. PHYTAJ. Martin, F.N. Hancock, J.G. St. Paul, Minn. : American Phytopathological Society. Phytopathology. July 1987. v. 77 (7). p. 1013-1020. ill. Includes references. (NAL Call No.: DNAL 464.8 P56).

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0761

Using the soil-tray technique to predict the incidence of *Sclerotium (rolfsii)* rot in sugarbeets (Analysis of truck tare soil).
Backman, P.A. Rodriguez-Kabana, R.; Caulin, M.C.; Beltramini, E.; Ziliani, N. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1981. v. 65 (5). p. 419-421. 6 ref. (NAL Call No.: 1.9 P69P).

0762

Varietal reaction and inheritance trends of susceptibility of sugarcane to rust (*Puccinia melanocephala* H. & P. Syd).
Chu, T.L. Serapion, J.L.; Rodriguez, J.L. Rio Piedras, University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Apr 1982. v. 66 (2). p. 99-108. ill. 8 ref. (NAL Call No.: 8 P832J).

0763

Viability of sugarcane smut spores in a Florida organic soil at three moisture levels.
PASGA. Andreis, H.J. Reserve, La. : The Society. Proceedings. New series - American Society of Sugar Cane Technologists. Sept 1981. v. 9. p. 44-46. Includes 6 references. (NAL Call No.: DNAL 65.9 L932).

0764

Yield and biochemical response of sugarbeet to benomyl.
AGUDAT. Smith, G.A. Martin, S.S. Madison, Wis. : American Society of Agronomy. Agronomy journal. Mar/Apr 1987. v. 79 (2). p. 297-302. Includes references. (NAL Call No.: DNAL 4 AM34P).

0765

Yield effects of various levels of sugarcane smut infection in Florida.
Glaz, B. Dean, J.L.; Miller, J.D. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. Apr 1985. v. 4. p. 50-53. Includes references. (NAL Call No.: DNAL TP375.A54).

PLANT DISEASES - BACTERIAL

0766

An aerated steam system for controlling ratoon stunting disease (affecting sugarcane, thermotherapy, effects on germination).
Mayeaux, M.M. Cochran, B.J. St. Joseph, Mich. Transactions of the ASAE American Society of Agricultural Engineers. May/June 1979. v. 22 (3). p. 653-656. ill. 11 ref. (NAL Call No.: 290.9 AM32T).

0767

The aggressive virulence of red stripe disease of sugarcane in Central American and Mexico (Pseudomonas rubrilineans).
Fors, A.L. Miami, Fla. : Vanguard, 1980. Proceedings, First Inter-American Sugar Cane Seminar. Spanish text, p. 208-214. p. 89-95. Includes references. (NAL Call No.: SB226.2.I5 1980).

0768

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Klein, M. Dabush, S. Rome, World Reporting Service on Plant Diseases and Pests, Food and Agriculture Organization of the United Nations. Plant protection bulletin. 1979. v. 27 (1). p. 12-18. ill. 28 ref. (NAL Call No.: 421 P692).

0769

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PNASA. Bidwai, A.P. Takemoto, J.Y. Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. Oct 1987. v. 84 (19). p. 6755-6759. ill. Includes references. (NAL Call No.: DNAL 500 N21P).

0770

Bacterial rot (Erwinia betavascularum) of sugarbeet: problem and solution.
Schroth, M.N. Whitney, E.D. Berkeley, Division of Agricultural Sciences, University of California. California agriculture. July/Aug 1979. v. 33 (7/8). p. 8-11. ill. (NAL Call No.: 100 C12CAG).

0771

Bacterial vascular necrosis and rot of sugarbeet: effect of moisture, age of plants, injury, inoculation and genotype on susceptibility to infection by Erwinia.
JASBA. Whitney, E.D. Lewellen, R.T. Fort Collins, Colo. : The Society. Journal of the American Society of Sugar Beet Technologists. Apr/Oct 1985. v. 23 (1/2). p. 28-38. Includes

references. (NAL Call No.: DNAL 66.9 AM35J).

0772

Biological control of phytopathogens by Pseudomonas spp.: genetic aspects of siderophore production and root colonization.
NASSD. O'Gara, F. Treacy, P.; O'Sullivan, D.; O'Sullivan, M.; Higgins, P. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Iron, siderophores, and plant diseases / edited by T.R. Swinburne. Paper presented at the "NATO Advanced Research Workshop," July 1-5, 1985, Wye, Kent, England.~ Literature review. 1986. v. 117. p. 331-339. Includes references. (NAL Call No.: DNAL QH301.N32).

0773

Characterization and relationship of bacteria associated with sugarbeet (Beta vulgaris L.) root tissue.
Jacobs, M.J. Bugbee, W.M.; Gabrielson, D.A. Grand Forks, N.D. : The Academy. Proceedings of the North Dakota Academy of Science. Apr 1984. v. 38. p. 76. Includes 2 references. (NAL Call No.: 500 N813).

0774

Comparison of diagnostic techniques for determining incidence of ratoon stunting disease of sugarcane in Florida.
Davis, M.J. Dean, J.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1984. v. 68 (10). p. 896-899. Includes 26 references. (NAL Call No.: 1.9 P69P).

0775

Detection and incidence of ratoon stunting disease in commercial sugarcane plantings in Florida.
Irey, M.S. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. Apr 1985. v. 4. p. 10-12. Includes references. (NAL Call No.: DNAL TP375.A54).

0776

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PHYTA. Davis, M.J. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Nov 1985. v. 75 (11). p. 1226-1231. Includes 26 references. (NAL Call No.: DNAL 464.8 P56).

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0777

An economic appraisal of the long-term returns from an investment in heat treatment of sugarcane in Louisiana.

Heagler, A.M. Chapman, B.A. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. Mar 1984. v. 3. p. 43-49. Includes references. (NAL Call No.: DNAL TP375.A54).

0778

Endemic and soilborne nature of *Erwinia carotovora* var. *atroseptica*, a pathogen of mature sugar beets.

Mendonca, M.M. Stanghellini, M.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1979. v. 69 (10). p. 1096-1099. ill. 22 ref. (NAL Call No.: 464.8 P56).

0779

Further developments in the study of the ratoon stunting disease of sugarcane in Puerto Rico (Coryneform bacteria as possible cause).

Liu, L.J. Ramirez-Oliveras, G. Rio Piedras. Journal of agriculture of the University of Puerto Rico. Apr 1979. v. 63 (2). p. 146-151. ill. 19 ref. (NAL Call No.: 8 P832J).

0780

Identification and aggressiveness of *Erwinia carotovora* subsp. *betavascularum* on sugar beet from Texas.

PLDRA. Whitney, E.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1987. v. 71 (7). p. 602-603. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0781

Identification and nutritional differentiation of the *Erwinia* sugarbeet pathogen from members of *Erwinia carotovora* and *Erwinia chrysanthemi*.

Thomson, S.V. Hildebrand, D.C.; Schroth, M.N. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1981. v. 71 (10). p. 1037-1042. 25 ref. (NAL Call No.: 464.8 P56).

0782

Incidence of *Bacillus popilliae* in *Ligyris subtriticus* and *Cyclocephala parallela* (Coleoptera: Scarabaeidae) in Florida sugarcane fields.

EVETEX. Boucias, D.G. Cherry, R.H.; Anderson, D.L. College Park, Md. : Entomological Society of America. Environmental entomology. June 1986. v. 15 (3). p. 703-705. ill. Includes

references. (NAL Call No.: DNAL QL461.E532).

0783

Infectivity titrations of *Clavibacter xyli* subsp. *xyli* and sugarcane cultivars differing in susceptibility to ratoon stunting disease.

PLDRA. Harrison, N.A. Davis, M.J.; Dean, J.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1986. v. 70 (6). p. 556-558. Includes 15 references. (NAL Call No.: DNAL 1.9 P69P).

0784

Isolation, culture, and pathogenicity to sudangrass of a corynebacterium associated with ratoon stunting of sugarcane and with bermudagrass (*Sorghum vulgare sudanense*, *Cynodon dactylon*, uncertain taxonomic status of the pathogen).

Liao, C.H. Chen, T.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. Dec 1981. v. 71 (12). p. 1303-1306. ill. Includes 22 ref. (NAL Call No.: 464.8 P56).

0785

Leaf scald (Sugarcane disease, caused by *Xanthomonas* species in Central America, North America and South America.

Whittle, A.M. Miami, Fla. : Vanguard, 1980. Proceedings, First Inter-American Sugar Cane Seminar. Spanish text, p. 218-225. p. 99-106. Includes references. (NAL Call No.: SB226.2.15 1980).

0786

Method for detecting *Clavibacter xyli* subsp. *xyli* from sugarcane leaves.

PLDRA. Gillaspie, A.G. Jr. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1987. v. 71 (8). p. 691-693. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0787

Newly discovered plant hosts of *Spiroplasma citri* (isolated from Illinois source, *Barbarea vulgaris*, *Brassica kaber*, *Capsella bursa-pastoris*, *Circulifer tenellus* as insect vector, beet leafhopper, brittle root disease of horseradish).

O'Hayer, K.W. Schultz, G.A.; Eastman, C.E.; Fletcher, J. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1984. v. 68 (4). p. 336-338. ill. Includes references. (NAL Call No.: 1.9 P69P).

0788

A note on the diagnosis of ratoon stunting disease of sugarcane (associated with a small root shaped bacterium) by negative-stain electron microscopy of the associated bacterium.

Teakle, D.S. Kontze, D. London, Academic. The Journal of applied bacteriology. Apr 1979. v. 46 (2). p. 279-284. ill. 11 ref. (NAL Call No.: 448.39 S012).

0789

A rapid technique for confirming leaf scald (caused by *Xanthomonas albilineans*) diagnosis (Sugarcane).

Ricaud, C. Felix, S. Mauritius. Sugarcane pathologists newsletter. Nov 1978. Nov 1978. (21). p. 7-8. 4 ref. (NAL Call No.: SB608.S9S8).

0790

Ratoon stunting disease in imported sugarcane varieties after hot air treatment.

Bailey, R.A. Bechet, G.R. Mauritius. Sugarcane pathologists newsletter. Nov 1978. Nov 1978. (21). p. 16-17. 1 ref. (NAL Call No.: SB608.S9S8).

0791

The ratoon stunting disease of sugarcane and its control by use of an aerated steam treatment (Bacterium).

Steib, R.J. Miami, Fla. : Vanguard, 1980. Proceedings, First Inter-American Sugar Cane Seminar. Spanish text, p. 226-227. p. 107-108. (NAL Call No.: SB226.2.I5 1980).

0792

Ratoon stunting disease of sugarcane: isolation of the causal bacterium.

Davis, M.J. Gillaspie, A.G. Jr.; Harris, R.W.; Lawson, R.H. Washington, D.C., American Association for the Advancement of Science. Science. Dec 19, 1980. v. 210 (4476). p. 1365-1368. ill. 14 ref. (NAL Call No.: 470 SCI2).

0793

Ratoon stunting disease of sugarcane: the causal bacterium.

Damann, K.E. Jr. Miami, Fla. : Vanguard, 1980. Proceedings, First Inter-American Sugar Cane Seminar. Spanish text, p. 228-233. p. 109-114. Includes references. (NAL Call No.: SB226.2.I5 1980).

0794

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Mauritius. Sugarcane pathologists newsletter. Nov 1978. Nov 1978. (21). p. 25-26. ill. (NAL Call No.: SB608.S9S8).

0795

Registration of C35/1 and C35/2 sugarbeet germplasms (*Erwinia carotovora betavascularum*, breeding for disease resistance).

Whitney, E.D. Lewellen, R.T. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 830. Includes references. (NAL Call No.: 64.8 C883).

0796

Registration of C40 sugarbeet germplasm (*Erwinia carotovora betavascularum*, breeding for disease resistance).

Whitney, E.D. Lewellen, R.T. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 830. Includes references. (NAL Call No.: 64.8 C883).

0797

Rhizobacteria of sugarbeets: effects of seed application and root colonization on yield (Fungal and bacterial phytopathogens).

Suslow, T.V. Schroth, M.N. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1982. v. 72 (2). p. 199-206. ill. Includes 43 ref. (NAL Call No.: 464.8 P56).

0798

Seasonal variation in the microbial populations of sugarcane plants (Bacterial populations both in internal cortex and external part of stele).

Costa, J.M.T.F. Ruschel, A.P. Boca Raton, Fla. : CRC Press, c1981. Associative N₂-fixation / editors, Peter B. Vose, Alades P. Ruschel. p. 109-118. 5 ref. (NAL Call No.: TP245.N8I52 1979A V. 2).

0799

Studies relating to the ratoon stunting disease of sugarcane and its control in Louisiana / by I(sic) Dewa Made Tantera. -.

Tantera, I. Dewa Made, 1939-. 1972. Thesis--Louisiana State University, 1972. Photocopy of typescript, Ann Arbor: University Microfilm, 1973. xi, 82 leaves. Bibliography: leaves 76-81. (NAL Call No.: DISS 72-28,307).

(PLANT DISEASES - BACTERIAL)

0800

Sugar and root yield of sugarbeets as affected by bacterial vascular necrosis and rot (*Erwinia carotovora betavasculorum*), nitrogen fertilization, and plant spacing.

Thomson, S.V. Hills, F.J.; Whitney, E.D.; Schroth, M.N. St. Paul, Minn., American Phytopathological Society. *Phytopathology*. June 1981. v. 71 (6). p. 605-608. ill. 11 ref. (NAL Call No.: 464.8 P56).

0801

Sugar beet as a symptomless host for *Corynebacterium sepedonicum*.

PHYTAJ. Bugbee, W.M. Gudmestad, N.C.; Secor, G.A.; Nolte, P. St. Paul, Minn. : American Phytopathological Society. *Phytopathology*. May 1987. v. 77 (5). p. 765-770. ill. Includes references. (NAL Call No.: DNAL 464.8 P56).

0802

Sugarcane diseases of Indian importance and their control.

Vyas, S.C. Verma, R.K. New Delhi, S.N. Bhalla. *Farmer and parliament*. May 1979. v. 14 (5). p. 15-16, 29-30. (NAL Call No.: S19.F37).

0803

The susceptibility of fodder beet and wild species of *Beta* to an *Erwinia* sp. from sugar beet.

Whitney, E.D. St. Paul, American Phytopathological Society. *Plant disease*. Aug 1982. v. 66 (8). p. 664-665. 6 ref. (NAL Call No.: 1.9 P69P).

0804

Transmission of *Spiropasma citri* by *Circulifer tenellus* (Beet leafhopper, citrus stubborn disease transmissibility after continuous subculture in culture medium).

Liu, H.Y. PHYTA. Gumpf, D.J.; Oldfield, G.N.; Calavan, E.C. St. Paul : American Phytopathological Society. *Phytopathology*. Apr 1983. v. 73 (4). p. 582-585. Includes references. (NAL Call No.: 464.8 P56).

PLANT DISEASES - VIRAL

0805

Aerated steam for control of sugarcane diseases (to reduce mosaic infection).

Steib, R.J. Baton Rouge, The Station. Louisiana agriculture - Louisiana Agricultural Experiment Station. Fall 1981. v. 25 (1). p. 3, 24. ill. (NAL Call No.: 100 L939).

0806

Aphid alarm pheromone derivatives affecting settling and transmission of plant viruses (Myzus persicae, sugar beet yellows virus, potato virus Y).

Dawson, G.W. JCECD. Gibson, R.W.; Griffiths, D.C.; Pickett, J.A.; Rice, A.D.; Woodcock, C.M. New York : Plenum Press. Journal of chemical ecology. Nov 1982. v. 8 (11). p. 1377-1388. 14 ref. (NAL Call No.: QD415.A1J6).

0807

Beet necrotic yellow vein virus in North America.

Al Musa, A.M. Mink, G.I. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 773-776. ill. 12 ref. (NAL Call No.: 464.8 P56).

0808

Beet western yellows can cause heavy losses in sugarbeet.

CAGRA. Lewellen, R.T. Skoyen, I.O. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Jan/Feb 1984. v. 38 (1/2). p. 4-5. ill. (NAL Call No.: DNAL 100 C12CAG).

0809

Beet western yellows virus in Illinois vegetable crops and weeds.

PLDRA. Timmerman, E.L. D'Arcy, C.J.; Splittstoesser, W.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1985. v. 69 (11). p. 933-936. Includes 14 references. (NAL Call No.: DNAL 1.9 P69P).

0810

Combined effect of disease and herbicide treatment on yield of sugarcane (Saccharum officinarum).

WEESA6. Millhollon, R.W. Koike, H. Champaign, Ill. : Weed Science Society of America. Weed science. Jan 1986. v. 34 (1). p. 137-142. Includes 22 references. (NAL Call No.: DNAL 79.8 W41).

0811

Comparative characterization of two luteoviruses: beet western yellows virus and barley yellow dwarf virus.

PHYTAJ. Hewings, A.D. D'Arcy, C.J. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Nov 1986. v. 76 (11). p. 1270-1274. ill. Includes 32 references. (NAL Call No.: DNAL 464.8 P56).

0812

Comparison of yellow holocyclic and green anholocyclic strains of Myzus persicae (Sulzer): transmission of beet western yellows virus (Green peach aphid, Washington).

Tamaki, G. Nawrocka, B.; Fox, L.; Annis, B.; Gupta, R.K. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1982. v. 11 (1). p. 234-238. Includes 15 ref. (NAL Call No.: QL461.E532).

0813

Controlling diseases of sugarcane in Louisiana by breeding: potentialities and realities.

Breaux, R.D. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. Apr 1985. v. 4. p. 58-61. Includes references. (NAL Call No.: DNAL TP375.A54).

0814

Curly-top resistance in sugar beets and tests of the resistant variety U.S. No. 1 /by Eubanks Carsner.

Carsner, Eubanks, 1891-. Washington : U.S. Dept. of Agriculture, 1933. Cover title. 68 p. : ill., maps ; 23 cm. Literature cited: p. 68. (NAL Call No.: DNAL 1 Ag84Te no.360).

0815

Curly-top-resistant sugar-beet varieties in 1938 /by Forrest V. Owen ... et al .

Owen, F. V. 1899-. Washington, D.C. : U.S. Dept. of Agriculture, 1939. Caption title. "Contribution from Bureau of Plant Industry". 10 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.513).

0816

Curly top virus control (Sugarbeet; in the western USA).

Duffus, J.E. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 508-510. Includes 17 ref. (NAL Call No.: SB951.I5 1979).

(PLANT DISEASES - VIRAL)

0817

Current status of sugarcane mosaic virus research in Puerto Rico.

Liu, L.J. Miami, Fla. : Vanguard, 1980. Proceedings, First Inter-American Sugar Cane Seminar. Spanish text, p. 215-217. p. 96-98. Includes references. (NAL Call No.: SB226.2.I5 1980).

0818

Development of grain sorghum lines with resistance to sugarcane mosaic and other sorghum diseases (Peronosclerospora sorghi, Sphacelotheca reiliana, Puccinia purpurea). Henzell, R.G. Persley, D.M.; Greber, R.S.; Fletcher, D.S.; Van Slobbe, L. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1982. v. 66 (10). p. 900-901. 14 ref. (NAL Call No.: 1.9 P69P).

0819

Differences between sugarcane mosaic virus infected and healthy cane in Texas. Villalon, B. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. Nov 1980. Nov 1980. (1468). 8 p. 5 ref. (NAL Call No.: 100 T31M).

0820

Diseases as a factor influencing sugarcane yields in Louisiana during the last decade (Chiefly mosaic virus and ratoon stunting disease). Koike, H. Reserve, La. Proceedings. New Series American Society of Sugar Cane Technologists. 1976 (pub. May 1977). v. 6. p. 178-181. ill. 10 ref. (NAL Call No.: 65.9 L932).

0821

Ecology of the green peach aphid as a vector of beet western yellows virus of sugarbeets / by George Tamaki, Lee Fox, and B.A. Butt ; prepared by Science and Education Administration. Tamaki, George. Fox, Lee.; Butt, B. A. 1931-. Washington : Dept. of Agriculture, Science and Education Administration, 1979. Issued Aug. 1979.~ Cover title. 16 p. : ill. ; 26 cm. Bibliography: p. 15-16. (NAL Call No.: DNAL 1 Ag84Te no.1599).

0822

An economic appraisal of the long-term returns from an investment in heat treatment of sugarcane in Louisiana.

Heagler, A.M. Chapman, B.A. Baton Rouge : The Society. Journal - American Society of Sugar Cane Technologists. Mar 1984. v. 3. p. 43-49. Includes references. (NAL Call No.: DNAL TP375.A54).

0823

The effect of oil sprays on aphid (Myzus persicae, Brevicoryne brassicae, and Aphis fabae) transmission of turnip mosaic, beet yellows, bean common mosaic, and bean yellow mosaic viruses.

Walkey, D.G.A. Dance, M.C. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Oct 1979. v. 63 (10). p. 877-881. ill. 15 ref. (NAL Call No.: 1.9 P69P).

0824

Effect of sugarcane mosaic virus infection in parental stock on panicle and seed production of virus-free F2 progeny in sorghum (Sorghum bicolor).

PLDRA. Mock, R.G. Stokes, I.E.; Gillaspie, A.G. Jr. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1985. v. 69 (4). p. 310-312. Includes 20 references. (NAL Call No.: DNAL 1.9 P69P).

0825

Effects of Fiji (viral) disease-resistant sugarcane (Saccharum sp.) on the biology of the sugarcane delphacid (Perkinsiella saccharicida).

Taniguchi, G.Y. Ota, A.K.; Chang, V.C.S. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 660-663. ill. 12 ref. (NAL Call No.: 421 J822).

0826

Epidemiology of beet mosaic in central New York / by Charles Gebbes Summers. -.

Summers, Charles Gebbes. 1970. Thesis (Ph.D.)--Cornell University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v. 90 leaves ; 21 cm. Bibliography: leaves 39-44. (NAL Call No.: DISS 71-14,599).

0827

Etiological distinctions between tomato yellow top virus and potato leafroll and beet western yellows viruses (Serological relationships between the casual viruses).

Hassan, S. Thomas, P.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 684-685. Includes 10 references. (NAL Call No.: 1.9 P69P).

0828

Evaluation of green peach aphid activity and the occurrence of beet western yellows virus in sugarbeet fields.

Tamaki, G. Fox, L.; Featherston, P.E. Fort Collins, Colo., The Society. Journal of the American Society of Sugar Beet Technologists. Oct 1980. v. 20 (6). p. 578-582. 6 ref. (NAL Call No.: 66.9 AM35J).

0829

Factors affecting curly top damage to sugarbeets and beans in southern Idaho, 1919-77 (Transmitted only by the beet leafhopper *Circulifer tenellus*).

Blickenstaff, C.C. Traveller, D. Washington, D.C., The Region. Agricultural reviews and manuals. ARM-W. United States. Dept. of Agriculture. Science and Education Administration. Western Region. July 1979. July 1979. (8). 22 p. ill. 50 ref. (NAL Call No.: aS21.A75U64).

0830

Failure of sugarcane mosaic virus to survive in cultured sugarcane tissue (*Saccharum* spp.).

Dean, J.L. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1060-1061. ill. 10 ref. (NAL Call No.: 1.9 P69P).

0831

Identification of three serotypes of sowbane mosaic virus.

PHYTAJ. Zebzami, M. Lockhart, B.E.L.; Hill, J.H. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Apr 1987. v. 77 (4). p. 571-574. ill. Includes references. (NAL Call No.: DNAL 464.8 P56).

0832

An improved technique of negative staining for detection of sugarcane mosaic virus particles in Puerto Rico.

Liu, L.J. Mauritiis. Sugarcane pathologists newsletter. Nov 1978. Nov 1978. (21). p. 12-13. ill. 1 ref. (NAL Call No.: SB608.S9S8).

0833

Increased value of resistance to infection if used in integrated pest management control of tomato curly top.

PHYTAJ. Martin, M.W. Thomas, P.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1986. v. 76 (5). p. 540-542. Includes 19 references. (NAL Call No.: DNAL 464.8 P56).

0834

Insect pests of sugar beet.

ARENA. Lange, W.H. Palo Alto : Annual Reviews Inc. Annual review of entomology. Literature review. 1987. v. 32. p. 341-360. Includes references. (NAL Call No.: DNAL 421 AN72).

0835

Insecticidal prevention of curly top in beets (Virus disease, *Beta vulgaris*, transmitted by the leafhopper *Circulifer tenellus*).

Blickenstaff, C.C. JASBA. Stander, J.R.; Traveller, D.J.; Yun, Y.M. Fort Collins : The Society. Journal of the American Society of Sugar Beet Technologists. Apr 1982. Literature review. v. 21 (3). p. 265-285. ill. Includes references. (NAL Call No.: 66.9 AM35J).

0836

An insecticide test on curly top using three varieties (Control of leafhopper vectors on sugarbeets).

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(PLANT DISEASES - VIRAL)

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0847

New hosts and taxonomic analysis of the Mississippi native species tested for reaction to maize dwarf mosaic and sugarcane mosaic viruses.

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Registration of four sugarbeet germplasm lines (Resistant to *Cercospora beticola* and to curly top virus).

Smith, G.A. Ruppel, E.G. Madison, Crop Science Society of America. Crop science. Jan/Feb 1979. v. 19 (1). p. 131-132. (NAL Call No.: 64.8 C883).

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PHYTAJ. Golino, D.A. Oldfield, G.N.; Gumpf, D.J. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1987. v. 77 (6). p. 954-957. ill. Includes references. (NAL Call No.: DNAL 464.8 P56).

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0861

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0869

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0876

Variation in photosynthetic pigments and plastoquinone contents in sugar beet chloroplasts with changes in leaf copper content (Beta vulgaris, micronutrient deficiency, chlorosis).
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An analysis of (sugarbeet) root damage during piling.

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Wilson, R.G. Jr. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 159-164. 9 ref. (NAL Call No.: 79.8 W41).

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Townsend, C. O. 1863-1937. Washington, D.C. : U.S. Dept. of Agriculture, 1915. Caption title. ~ "April 30, 1915." ~ "Professional paper." 8 p., 2 p. of plates : 1 map ; 24 cm. (NAL Call No.: DNAL 1 Ag84B no.203).

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Herbicide spray drift (Tomatoes, sunflower, sugarbeets, losses, control techniques).

Dexter, A.G. MN. St. Paul, Minn., The Service. Extension folder. Minnesota. University. Agricultural Extension Service. 1980. 1980. (548). 7 p. ill. 12 ref. (NAL Call No.: 275.29 M66EX).

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0887

Metabolism of isouron

3-(5-tert-butyl-3-isoxazolyl)-1,1-dimethylurea : rapid conversion of the herbicide to less phytotoxic metabolites in a resistant plant, sugarcane.

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Post-freeze deterioration of sugarcane varieties in Florida.
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Yarris, L. SEA-SEA. Washington, D.C., The Administration. Agricultural research. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 28 (6). p. 13. (NAL Call No.: 1.98 AG84).

0893

Sugarbeet (Beta vulgaris L.) response to simulated herbicide spray drift (Crop injury).
Schroeder, G.L. WEESA. Cole, D.F.; Dexter, A.G. Champaign : Weed Science Society of America. Weed science. Nov 1983. v. 31 (6). p. 831-836. ill. Includes references. (NAL Call No.: 79.8 W41).

0894

Sugarbeet injury within harvesting and handling equipment.
Parks, D.L. Peterson, C.L. St. Joseph, Mich., The Society. Transactions of the ASAE. American Society of Agricultural Engineers. Nov/Dec 1979. v. 22 (6). p. 1238-1244. ill. 13 ref. (NAL Call No.: 290.9 AM32T).

PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

0896

Development of sugarbeet germplasms with low storage respiration rates.

NDFRA. Campbell, L.G. Fargo, N.D. : The Station. North Dakota farm research - North Dakota, Agricultural Experiment Station. July/Aug 1987. v. 45 (1). p. 25-26. ill. Includes references. (NAL Call No.: DNAL 100 N813B).

0897

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Akeson, W.R. Yun, Y.M. Fort Collins, Colo., The Society. Journal.American Society of Sugar Beet Technologists. July 1979. v. 20 (3). p. 255-268. ill. 11 ref. (NAL Call No.: 66.9 AM35U).

0898

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Wyse, R. Fort Collins. Journal.American Society of Sugar Beet Technologists. Oct 1978. v. 20 (2). p. 193-202. ill. 14 ref. (NAL Call No.: 66.9 AM35U).

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Effect of (harvest) injury on respiration rates of sugarbeet roots.

Wyse, R.E. Peterson, C.L. Fort Collins, Colo., The Society. Journal.American Society of Sugar Beet Technologists. July 1979. v. 20 (3). p. 269-280. ill. 9 ref. (NAL Call No.: 66.9 AM35U).

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Akeson, W.R. Stout, E.L. Fort Collins. Journal.American Society of Sugar Beet Technologists. Oct 1978. v. 20 (2). p. 167-173. ill. 11 ref. (NAL Call No.: 66.9 AM35U).

0901

The effect of plant age, storage, moisture, and genotype on storage rot evaluation of sugarbeet (caused by *Phoma betae* and *Botrytis cinerea*).

Bugbee, W.M. St. Paul, American Phytopathological Society. Phytopathology. Apr 1979. v. 69 (4). p. 414-416. ill. 5 ref. (NAL Call No.: 464.8 P56).

0902

Market diseases of fruits and vegetables beets, endive, escarole, globe artichokes, lettuce, rhubarb, spinach, Swiss chard and sweetpotatoes /by Glen B. Ramsey and James S. Wiant.

Ramsey, Glen B. 1889-. Wiant, James S. 1900-. Washington, D.C. : U.S. Dept. of Agriculture, 1944. Caption title.~ "October 1944.". 40 p. ; 13 leaves of plates : ill. (some col.) ; 23 cm. Bibliography: p. 33-40. (NAL Call No.: DNAL 1 Ag84M no.541).

0903

Physical properties of sugar beet.

Alizadeh, H. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-3032). 12 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0904

Storage of sugarbeet (before processing, pathogens).

Bugbee, W.M. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 514-517. (NAL Call No.: SB951.15 1979).

0905

Storage rot of sugar beet (*Phoma betae*, *Penicillium claviforme*, *Botrytis cinerea*, *Fusarium*).

Bugbee, W.M. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1982. v. 66 (9). p. 871-873. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0906

Stress metabolites of plants - A growing concern.

Wood, Garnett E. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Abstract: The concentration of certain compounds that are natural constituents of plants may increase to toxic levels under various stress conditions. The stress compounds produced in the following plants consumed directly in the United States are discussed: green beans; lima beans; broad beans; lentils; garden peas; soybeans; alfalfa; groundnuts; cowpeas; sugar beets; grapes and grapevine leaves; parsnips; parsley; celery; safflower; and mulberry plants. A multidisciplinary effort

is needed to establish a monitoring system for stress compounds in food. Many plants have not yet been investigated and little consideration has been given to environmental stress from temperature, rainfall, agronomic practices, etc. In-depth toxicological studies are needed. Journal of food protection. June 1979. v. 42 (6). p. 496-501, 475. ill. 68 ref.

0907

Sugarbeet resistance to storage rot (Phoma betae, Botrytis cinerea and Penicillium claviforme).

Martin, W. SEA~SEA. Washington, D.C., The Administration. Agricultural research. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 28 (6). p. 12. ill. (NAL Call No.: 1.98 AG84).

0908

Sugarbeets: not as tough as they look (Harvesting injuries, storage).

Wyse, R. Logan, The Station. Utah Science. Utah. Agricultural Experiment Station. June 1979. v. 40 (2). p. 42-43. ill. 8 ref. (NAL Call No.: 100 UT1F).

0909

Windrowing and storing of sugarcane in Louisiana following injury by freezing temperatures /by J.I. Lauritzen, Charles A. Fort, and R.T. Balch.

Lauritzen, John I. 1884-. Fort, Charles A. 1892-; Balch, R. T. 1895-. Washington : U.S. Dept. of Agriculture, 1940. Caption title. 44 p. : ill. ; 23 cm. Literature cited: p. 43-44. (NAL Call No.: DNAL 1 Ag84Te no.736).

PROTECTION OF PLANT PRODUCTS - INSECTS

0910

The application of sodium fluosilicate by airplane in an attempt to control the sugar-cane moth borer /by T.E. Holloway, W.E. Haley, and J.W. Ingram.

Holloway, T. E. 1886-. Haley, W. E. 1891-;
Ingram, J. W. 1900-. Washington, D.C. : U.S.
Dept. of Agriculture, 1928. Caption title.~
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; 23 cm. Includes bibliographical references.
(NAL Call No.: DNAL 1 Ag84C no.45).

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0911

Annual grass control in sugarbeets with BAS-517.
Haderlie, L.C. Harrington, D.K. S.I. :
Western Society of Weed Science. Research
progress report - Western Society of Weed
Science. 1987. p. 248-249. (NAL Call No.: DNAL
79.9 W52R).

0912

Annual weed control in sugarbeets with preplant or preemergence herbicides.
Haderlie, L.C. Harrington, D.K. S.I. :
Western Society of Weed Science. Research
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Science. 1987. p. 245-247. (NAL Call No.: DNAL
79.9 W52R).

0913

Antagonistic effects of desmedipham on diclofop activity (Control of Echinochloa crus-galli in sugarbeets).
Dortenzio, W.A. Norris, R.F. Champaign, Ill.,
Weed Science Society of America. Weed science.
Sept 1979. v. 27 (5). p. 539-544. ill. 18 ref.
(NAL Call No.: 79.8 W41).

0914

Are you stuck in a rut? (Sugarbeets, weeds).
Mills, F. Fieldman, M.C. Ogden, Amalgamated
Sugar Company. The Sugarbeet. June 1981. v. 15
(1). p. 18-19. ill. (NAL Call No.: 66.8 SU34B).

0915

Asulam and other postemergence herbicides for sugarcane.
JAUPA. Semidey, N. Almodovar, L. Mayaguez :
University of Puerto Rico, Agricultural
Experiment Station. The Journal of agriculture
of the University of Puerto Rico. Oct 1986. v.
70 (4). p. 235-243. Includes references. (NAL
Call No.: DNAL 8 P832J).

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ANIMAL DISEASES - BACTERIAL

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